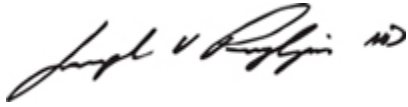


CURRICULUM VITAE

Joseph V. Pergolizzi, Jr., M.D.



DEMOGRAPHIC AND PERSONAL INFORMATION

**Present Clinical
Appointment:**

**Anesthesia and Pain Management
Sr. Partner
Naples Anesthesia and Pain Associates
868 106th Avenue North
Naples, FL 34108
jppmd@msn.com**

Faculty Appointment:

**Pain 360^o
Chairman
868 106th Avenue North
Naples, FL 34108**

**Chairman
Scientific Poster, Abstract and Research Committee
PAIN WEEK
Las Vegas, NV**

**Present Commercial
Appointment:**

**NEMA Research Inc
Chief Operating Officer
Director of Analgesic Development
868 106th Ave North
Naples, FL 34108
jpergolizzi@nemaresearch.com**

EDUCATION:

B.S. 1989 St. John's University, Queens, N.Y., Chemistry: Physical
Chemistry Applied & Experimental

M.D. 1996 Ross University School of Medicine, Dominica, W.I.
Medicine
Highest Honors

POST-DOCTORAL TRAINING:

1996 Clinical Research Fellowship, The Johns Hopkins University School of Medicine
Department of Medicine, Division of Endocrinology and Metabolism,
Baltimore, M.D.

1996-1997 Internship, Internal Medicine, Greater Baltimore Medical Center, Baltimore,
M.D.

- 1997-2000 Residency, Anesthesiology, Georgetown University Medical Center, Washington, D.C.
- 2000 Chief Resident, Anesthesiology, Georgetown University Medical Center, Washington, D.C.

PROFESSIONAL EXPERIENCE

- 2000-2018 Adjunct Assistant Professor (Part-time), Department of Medicine, Johns Hopkins University School of Medicine Baltimore, M.D. 21237
- 2000-01 Attending, Anesthesiologist- Critical Care Medicine-Pain Medicine, Columbia HCA-Gulf Coast Hospital Fort Meyers, FL 32104
- 2000-01 Attending, Anesthesiologist- Critical Care Medicine-Pain Medicine, East Point Hospital Medical Center Fort Myers, FL
- 2001-Present Senior Partner, Pain Medicine, Naples Anesthesia and Pain Medicine Naples, FL 34108

RESEARCH ACTIVITIES

Publications:

Peer-reviewed

Pergolizzi, J., Sardi, A, Pelzar, M. "Merkel Cell Carcinoma: An Aggressive Malignancy". American Surgeon 5/97 Vol. 63 Page 450-454.

Pergolizzi, J, Auster M. Conaway G, Sardi A. "Cryosurgery for unresectable primary hepatocellular carcinoma: a case report and review of literature." Am Surg. May 1999; 65(5): 402-405

Pergolizzi, J, Dobs A. "Essentials Elements of a Clinical Trials Unit/ Center." European Pharmaceutical Contractor. Feb 2000; 3: 96- 99.

Ashkenazy, R, **Pergolizzi, J,** and Dobs, A. "Organizational model for a clinical trials unit within an academic medical center." Research Practitioner Volume 2, Number 2 March/April 2001:107-112

Pergolizzi, J. PONV Unplugged. Seminars in Aesthesia, Perioperative Medicine and Pain, Vol 23, No 2 (June), 2004: pp 203-220.

Macario A, **Pergolizzi J.** Pain and Nausea Management after Surgery. The International Journal of Pain and Palliative Care 2004; 3: 91-100.

Macario A, **Pergolizzi J.** Urine Drug Testing in Chronic Pain Patients Taking Opioids: A Clinical Practice Update. The International Journal of Pain and Palliative Care 2005; 4(1): 133-9.

Macario, A. and **Pergolizzi J.** Systematic literature review of spinal decompression via motorized traction for chronic discogenic low back pain. *Pain Practice*. September 2006. Vol. 6 Issue 3 Page 171-178.

Macario A, Claybon L, and **Pergolizzi J.** Anesthesiologists' practice patterns for rescue treatment of postoperative nausea and vomiting in the ambulatory PACU. *BMC Anesthesiology* 2006;6:6; (<http://www.biomedcentral.com/content/pdf/1471-2253-6-6.pdf>)

Davis M., Madia V., Daeninck P., **Pergolizzi J.** The emerging role of cannabinoid neuromodulators in symptom management. *Support Care Cancer* (2007) 15: 63–71

Macario A, Richmond C, Auster M, and **Pergolizzi J.** Treatment of 94 Patients with Chronic Discogenic Back Pain with the DRX9000: A Retrospective Chart Review. *Pain Practice*. January 2008. Vol. 8, Issue 1 Page 11-17.

Pergolizzi J, Boger R, Budd K, Dahan A, Erdine S, Hans G, Kress HG, Langford R, Likar R, Raffa R, Sacerdote P. Opioids and the Management of Chronic Severe Pain in the Elderly: Consensus Statement of an International Expert Panel with Focus on the Six Clinically Most Often Used World Health Organization step III Opioids (Buprenorphine, Fentanyl, Hydromorphone, Methadone, Morphine, Oxycodone. *Pain Practice* June 2008.

Pergolizzi J, Florio F, Martin W. Management of low-back pain with a non-surgical spinal decompression system (DRX9000™) – case report, *European Musculoskeletal Review*, 2008; 3:1; 59–60.

Pergolizzi J, Yochum T, Florio F, Management of discogenic low-back pain with a non-surgical decompression system (DRX9000™)—Case Report, *US Musculoskeletal Review*, 2008;1:14-15.

Leslie JB, **Pergolizzi JV,** Macario A, Apfel C, Clair D, Richmond C, Florio, Auster M. Prospective evaluation of the efficacy of spinal decompression via the DRX9000 for chronic low back pain. *J Med*. September 2008:2–8.

Pergolizzi JV, Clair D, Richmond C. Growth hormone replacement for adults: an overview. *J Med*. September 2008:9–15.

Pergolizzi J, Richmond C, Auster M, Florio F, Wilhelm J. Non-surgical Spinal Decompression (DRX9000™) for the Treatment of Chronic Low Back Pain – Case Report, *European Musculoskeletal Review*, 2008; 3: 2, 58-60.

Sinclair A, **Pergolizzi J,** Richmond C. Patients Who Smoke: To Cut or Not to Cut. *J. Med* 2009; 2(1):56-61.

Pergolizzi F, Richmond D, Gan Z, Macario S, Gan TJ, Richmond C, **Pergolizzi J.** Two-Year Survey of Bullying in American Middle Schools *J. Med* 2009; 2(1); 45-51.

Groteke E, **Pergolizzi J,** Chicoine D. The Quantification and Tracking of Osteoarthritis. *J. Med* 2009; 2(1):23-29.

Pergolizzi J, Claybon L, Macario A, Richmond C. Therapeutic Decision Support and the Management of Post-Operative Nausea and Vomiting. *J. Med* 2009; 2(1):62-67

Pergolizzi J, Raffa R. Oxymorphone and Opioid Rotation. *Pan Medicine*. 2009;10 ;(S1): S39-48.

Gan TJ, Sinha A, Kovac A, Jones K, Cohen S, Battikha J, Deutsch J, and **Pergolizzi, J.** A Randomized, Double-Blind, Multicenter Trial Comparing Transdermal Scopolamine Plus Ondansetron to Ondansetron Alone for the Prevention of Postoperative Nausea and Vomiting in the Outpatient Setting. *Anesth Analg* 2009; 108:1498 –504.

Pergolizzi J, Mercadante S, Virizuela Echaburuc A, Van den Eyndend B, de Fari´a Fragosoe RM, Mordarskif S, Lybaertg W, Beniakh J, Oron´ skai A, and Slamaj O. The role of transdermal buprenorphine in the treatment of cancer pain: an expert panel consensus. *Current Medical Research and Opinion* 25:6: 2009, 1517–1528

Pergolizzi J, Raffa, R, and Gould, E. Considerations on the use of oxymorphone in geriatric patients *Expert Opin. Drug Saf.* (2009) 8(5).

Pergolizzi J and Raffa, R. The Use of High-Dose Transdermal Buprenorphine in the Treatment of Cancer Pain. *J. Med* 2009; 2(2):111–120.

Varrassi G, Müller-Schwefe **Pergolizzi J,** Orónska A, Morlion B, Mavrocordatos Margarit C, Mangas, Jaksch W, Huygen, Collett B, Berti M, Aldington, Ahlbeck K. Pharmacological treatment of chronic pain – the need for CHANGE. *Current Medical Research and Opinion* 2010: 26(5): 1231-1245

Singla NK, Singla SK, Chung, F, Kutsogiannis DJ, Blackburn L, Lane SR, Levin J, Johnson B, **Pergolizzi, J.** Phase II Study to Evaluate the Safety and Efficacy of the Oral Neurokinin-1 Receptor Antagonist Casopitant (GW679769) Administered with Ondansetron for the Prevention of Postoperative and Post discharge Nausea and Vomiting in High-risk Patients *Anesthesiology* 2010; 113:1–1

Pergolizzi J, Pappagallo M, Stauffer J, Gharibo C, Fortner N, De Jesus MN, Brennan MJ, Richmond C, Hussey D; The Integrated Drug Compliance Study Group (IDCSG). The Role of Urine Drug Testing for Patients on Opioid Therapy. *Pain Pract.* 2010; 10(6):497-507.

Morlion B, **Pergolizzi J,** Raffa R. European perspectives on upcoming analgesics: What do they have that we don't—and what do they think about them? *Techniques in Regional Anesthesia and Pain Management* 2010;14; 86-98.

Pergolizzi J, Pappagallo M, Raffa R, Gharibo C, Phillips R, Desjonquères S, and Tabor A. Preliminary Observations of a Novel Topical Oil with Analgesic Properties for Treatment of Acute and Chronic Pain Syndromes. *Pain Practice* 2010;3; 201-213

Arbuck D, Gharibo C, Labhsetwar S, Berdos F, **Pergolizzi J.** Management of Opioid Tolerability and Related Adverse Effects. *Journal of Medicine* 2010; 3(1):1–10

Hochman JS, **Pergolizzi J.** Cohort study finds nine times increased overdose risk (fatal plus non-fatal) in patients receiving 100 mg/day for 90 days compared with 1-20 mg/day opioids for chronic non-cancer pain, but wide CI and possibility of unmeasured confounders. *Evid Based Nurs.* 2010; 13(2):55-6.

Raffa RB, **Pergolizzi JV**, Segarnick DJ and Tallarida RJ. Oxycodone combinations for Pain Relief. *Drugs of Today* 2010, 46(6): 379-398.

Apfel CC, Cakmakkaya OS, Martin W, Richmond C, Macario A, George E, Schaefer M and **Pergolizzi JV**. Restoration of disc height through non-invasive spinal decompression is associated with decreased discogenic low back pain: a retrospective cohort study. *BMC Musculoskeletal Disorders* 2010, 11:155doi:10.1186/1471-2474-11-155

Raffa RB, **Pergolizzi JV**, and Tallarida RJ. The Determination and Application of Fixed-Dose Analgesic Combinations for Treating Multimodal Pain. *The Journal of Pain*, 2010: 11(8): 701-709.

Langley P, Muller-Schwerfe G, Liedgens H, **Pergolizzi J**, Varrassi G. The societal impact of pain in the European Union: health-related quality of life and healthcare resource utilization. *Journal of Medical Economics* Vol. 13, No. 3, 2010: 571-581.

Raffa RB and **Pergolizzi, J**. Deciphering the mechanism(s) of action of natural products: analgesic peroxide oil as example. In Press: *Journal of Clinical Pharmacy and Therapeutics* (2010).

Pergolizzi J, Labhsetwar S, Puenpatom A, Joo S, Ben-Joseph R, Summers K. Prevalence of Exposure to Potential CYP450 Pharmacokinetic Drug - Drug Interactions among Patients with Chronic Low Back Pain Taking Opioids. *Pain Practice* Article first published online: 26 AUG 2010 DOI: 10.1111/j.1533-2500.2010.00413.x

Raffa, RB and **Pergolizzi, JV**. Opioid Formulations Designed to Resist/Deter Abuse *Drugs*. 70(13):1657-1675, September 10, 2010.

Langley P, Mueller-Schwefe G, Nicolaou A, Liedgens H, **Pergolizzi J**, and Varrassi G. The impact of pain on labor force participation, absenteeism and presenteeism in the European Union. *Journal of Medical Economics* Vol. 13, No. 4, 2010, 662–672

Apfel C, Zhang K, George E, Shi S, Jalota L, Hornuss C, Fero K, Heidrich F, **Pergolizzi J**, Cakmakkaya O, and Kranke P. Transdermal Scopolamine for the Prevention of Postoperative Nausea and Vomiting: A Systematic Review and Meta-Analysis. *Clinical Therapeutics*. Vol. 32, No.12, 2010, 1-15.

Müller-Schwefe, Jaksch W, Morlion B, Kalso E, Schafer M, Coluzzi F, Huygen F, Kocot-Kepska M, Mangas AC, Margarit C, Ahlbeck K, Orónska A, Mavrocordatos Collett B, Aldington , Nicolaou A, **Pergolizzi J** Varrassi G. Commentary Make a CHANGE: optimizing communication and pain management decisions. *Current Medical Research & Opinion* Vol., No. , 2011, 1–8

Raffa RB, and **Pergolizzi J**. The evolving understanding of the analgesic mechanism of action of flupirtine. *Journal of Clinical Pharmacy and Therapeutics* (2010) Article first published online: 28 NOV 2010 DOI: 10.1111/j.1365-2710.2010.01233.x

Pergolizzi F, Pergolizzi J III, Gan Z, Macario S, **Pergolizzi JV**, Ewin TJ, and Gan TJ. Bullying in middle school: Results from a 2088 survey. *Int J Adolesc Med Health* 2011; 23(1):11–18.

Leslie JB, Viscusi ER, **Pergolizzi JV**, and Panchal SJ. Anesthetic Routines: The Anesthesiologist's Role in GI Recovery and Postoperative Ileus Advances in Preventive Medicine Volume 2011, Article ID 976904, 10 pages doi:10.4061/2011/976904 (<http://downloads.sage-hindawi.com/journals/apm/2011/976904.pdf>)

Pergolizzi JV, Labhsetwar SA, Puenpatom RA, Joo S, Ben-Joseph R and Summers KH. Exposure to Potential CYP450 Pharmacokinetic Drug–Drug Interactions among Osteoarthritis Patients: Incremental Risk of Multiple Prescriptions. Pain Practice Article first published online: 28 DEC 2010, DOI: 10.1111/j.1533-2500.2010.00438.x

Altorjay A; Melson T; Chinachoit T; Kett A; Aqua K; Levin J; Blackburn LM; Lane S; **Pergolizzi JV**. Casopitant and Ondansetron for Postoperative Nausea and Vomiting Prevention in Women at High Risk for Emesis: A Phase 3 Study. *Arch Surg*. 2011; 146(2):201-206. doi:10.1001/archsurg.2010.327

Pergolizzi J. In response: urine drug screening and compliance. *Pain Pract*. 2011 Mar; 11(2):199. Doi: 10.1111/j.1533-2500.2011.00443_2.x.

Pergolizzi J, Gan TJ, Plavin S, Labhsetwar S, Taylor R, "Perspectives on the Role of Fospropofol in the Monitored Anesthesia Care Setting," *Anesthesiology Research and Practice*, vol. 2011, Article ID 458920, - pages, 2011. doi:10.1155/2011/458920.

Pergolizzi J, Taylor R, and Raffa R. "Extended-release Formulations of Tramadol in the Treatment of Chronic Pain" In Press: *Expert Opin Pharmacother*. 2011;12 (11):

Raffa RB and **Pergolizzi J**. "Multi-mechanistic analgesia for opioid-induced hyperalgesia." *Journal of Clinical Pharmacy and Therapeutics*, 2012, 37, 125–127

Pergolizzi JV, Raffa RB, Tallarida R, Taylor R, Labhsetwar SA. Continuous Multimechanistic Postoperative Analgesia: A Rationale for Transitioning from Intravenous Acetaminophen and Opioids to Oral Formulations. *Pain Pract*. 2011 Jun 16. Doi: 10.1111/j.1533-2500.2011.00476.x.

Pergolizzi J, Raffa R, and Taylor R. Prophylaxis of Postoperative Nausea and Vomiting in Adolescent Patients: A Review with Emphasis on Combination of Fixed-Dose Ondansetron and Transdermal Scopolamine. *Journal of Drug Delivery* Volume 2011, Article ID 426813, 7 pages doi:10.1155/2011/426813

Pergolizzi J, Alon E, Baron R, Bonezzi C, Dobrogowski J, Gálvez R, Jensen T, Kress HG, Marcus MAE, Morlion B, Perrot S, Treede RD. Tapentadol in the management of chronic low back pain: a novel approach to a complex condition? *Journal of Pain Research* 2011;4: 203–210

Pergolizzi J, Alegre C, Blake D, Alén JC, Caporali R, Casser HR, Correa-Illanes G, Fernandes P, Galilea E, Jany R, Jones A, Mejjad O, Morovic-Vergles J, Oteo Álvaro A, Radrigán Araya FJ, Simões ME, Uomo G. Current Considerations for the Treatment of Severe Chronic Pain: The Potential for Tapentadol. *Pain Pract*. 2011 Jul 29. Doi: 10.1111/j.1533-2500.2011.00487.x.

Varrassi G, Collett B, Morlion B, Kalso E, Nicolaou A, Dickenson A, **Pergolizzi J**, Schafer M, and Muller-Schwefe G. Conference report Proceedings of the CHANGE PAIN Expert Summit in Rome, June 201. *Current Medical Research & Opinion* 2011; 27 (10): 2061–2062

Blair R, Taylor R, **Pergolizzi J**, Tabor A. Clinical Roundup: How Do You Treat Premenstrual Syndrome in Your Practice? *Alternative and Complementary Therapies*. August 2011, 17(4): 237-246. doi:10.1089/act.2011.17401.

Pergolizzi J. Chronic pain - moving from symptom control to mechanism-based treatment. *Current Medical Research & Opinion* 2011; 27(10): 2079–2080.

Pergolizzi J. Quantifying the Impact of Drug-Drug Interactions Associated with Opioids. *The American Journal of Managed Care*. 2011;17 (11). (S) 288-292.

Taylor R, Raffa R, and **Pergolizzi J**. Naltrexone extended-release injection: an option for the management of opioid abuse. *Substance Abuse and Rehabilitation* 2011;2; 219–226

Pergolizzi J, Ahlbeck K, Aldington D, Alon E, Collett B, Coluzzi F, Huygen F, Jaksch W, Kocot-Kępska M, Mangas AC, Margarit C, Mavrocordatos P, Morlion B, Müller-Schwefe G, Nicolaou A, Hernández CP, Sichere P, Varrassi G. The chronic pain conundrum: should we CHANGE from relying on past history to assessing prognostic factors? *Curr Med Res Opin*. 2012;28(2):249-256.

Taylor R, Lemtouni S, Weiss K, **Pergolizzi J**. Pain Management in the Elderly: An FDA Safe Use Initiative Expert Panel's View on Preventable Harm Associated with NSAID Therapy. *Current Gerontology and Geriatrics Research* 2012; 2012. Article ID 196159, 9 pages, 2012. doi:10.1155/2012/196159.

Raffa RB, **Pergolizzi JV Jr**. Intracerebroventricular opioids for intractable pain .*Br J Clin Pharmacol*. 2012 74(1):34-41. Doi: 10.1111/j.1365-2125.2012.04201.x.

Pergolizzi J, Raffa R, Taylor R. Low-dose transdermal buprenorphine system: an update. *PainEurope* 2012; 1; 8-9.

Raffa RB, Tallarida RJ, Taylor R Jr, **Pergolizzi JV Jr**. Fixed-dose combinations for emerging treatment of pain. *Expert Opin Pharmacother*. 2012 13(9):1261-1270.

Raffa RB, Burmeister JJ, Yuvasheva E, **Pergolizzi JV Jr**. QTc interval prolongation by d-propoxyphene: what about other analgesics? *Expert Opin Pharmacother*. 2012 13(10):1397-1409.

Taylor R Jr, Raffa RB, **Pergolizzi JV Jr**. Controlled release formulation of oxycodone in patients with moderate to severe chronic osteoarthritis: a critical review of the literature. *J Pain Res*. 2012; 5:77-87.

Raffa RB, **Pergolizzi JV Jr**. Is Morphine Medicine's Biggest Misnomer? (July/August). *Ann Pharmacother*. 2012;45(7-8):1122-1123.

Angeletti C, Guetti C, Papola R, Petrucci E, Ursini ML, Ciccozzi A, Masi F, Russo MR, Squarcione S, Paladini A, **Pergolizzi J**, Taylor R Jr, Varrassi G, Marinangeli F. Pain after earthquake. *Scand J Trauma Resusc Emerg Med*. 2012; 20(1):43.

Pergolizzi JV, Raffa RB, Pergolizzi JS, Taylor R. Non-Analgesic Effects of Opioids: Factors Relevant to Opioid Abuse and Abuse-Deterrent Formulations. *Curr Pharm Des*. 2012; 18(37):6109-6115.

Pergolizzi JV Jr, Raffa RB, Taylor R Jr, Rodriguez G, Nalamachu S, Langley P. A Review of Duloxetine 60 mg Once-Daily Dosing for the Management of Diabetic Peripheral Neuropathic Pain, Fibromyalgia, and Chronic Musculoskeletal Pain Due to Chronic Osteoarthritis Pain and Low Back Pain. *Pain Pract.* 2013;13(3):239-252.

Pergolizzi JV Jr, Gharibo C, Passik S, Labhsetwar S, Taylor R Jr, Pergolizzi JS, Müller-Schwefe G. Dynamic risk factors in the misuse of opioid analgesics. *J Psychosom Res.* 2012 Jun; 72(6):443-51.

Pergolizzi JV Jr, Philip BK, Leslie JB, Taylor R Jr, Raffa RB. Perspectives on transdermal scopolamine for the treatment of postoperative nausea and vomiting. *J Clin Anesth.* 2012 Jun; 24(4):334-45.

Daitch J, Frey ME, Silver D, Mitnick C, Daitch D, **Pergolizzi J**. Conversion of chronic pain patients from full-opioid agonists to sublingual buprenorphine. *Pain Physician.* 2012 Jul; 15(3 Suppl):ES59-66.

Pergolizzi, Van de Laar M, Langford R, Mellinghoff HU, Merchante IM, Nalamachu S, O'Brien J, Perrot S, and Raffa RB. Tramadol/paracetamol fixed-dose combination in the treatment of moderate to severe pain *Journal of Pain Research* 2012;5 327–346

Taylor R Jr, **Pergolizzi JV**, Sinclair A, Raffa RB, Aldington D, Plavin S, Apfel CC. Transversus Abdominis Block: Clinical Uses, Side Effects, and Future Perspectives. *Pain Pract.* 2013; 13(4):332-344. doi: 10.1111/j.1533-2500.2012.00595.x.

Raffa RB, **Pergolizzi JV**, Muñoz E, Taylor R, and Pergolizzi J. Designing Opioids That Deter Abuse *Pain Research and Treatment* 2012;2012:282981. doi:10.1155/2012/282981

Yarlas A, Miller K, Wen W, Dain B, Lynch SY, **Pergolizzi J**, Raffa R, Ripa S. A Randomized, Placebo-Controlled Study of the Impact of the 7-Day Buprenorphine Transdermal System on Health-Related Quality of Life in Opioid-Naïve Patients with Moderate-to-Severe Chronic Low Back Pain. *Journal Pain* 2013;13(1):14-23.

Pergolizzi J, Taylor R, Plancarte R, Muñoz E. Es la Buprenorfina una buena opción en el manejo de dolor postoperatorio? [Is buprenorphine a Good option for management of postoperative pain?] *Rev Soc Esp Dolor* 2012; 19(6).

Pergolizzi, JV. Treatment of Chronic Pain in Older People: Evidence-Based Choice of Strong-Acting Opioids. *Drugs Aging.* 2012;12 (29): 993-95.

Pergolizzi JV Jr, Labhsetwar S, Lequang JA. Compounding Pharmacies: Who is in Charge? *Pain Pract.* 2013; 13(3):253-258. doi: 10.1111/papr.12033.

Taylor R, **Pergolizzi JV**, Raffa RB. Tapentadol extended release for chronic pain patients. *Adv Ther.* 2013 Jan; 30(1):14-27. doi: 10.1007/s12325-013-0002-y.

van Laar M, **Pergolizzi JV Jr**, Mellinghoff HU, Merchante IM, Nalamachu S, O'Brien J, Perrot S, Raffa RB. Pain treatment in arthritis-related pain: beyond NSAIDs. *Open Rheumatol J.* 2012; 6:320-30. doi: 10.2174/1874312901206010320.

Pergolizzi JV, Raffa RB, Taylor R, Nagar S, Labhsetwar S, Sinclair N, Gould EM. An open-label pharmacokinetic study of oxymorphone extended release in the presence of naltrexone in the older adult. *J Opioid Manag.* 2012 Nov-Dec; 8(6):383-93. doi: 10.5055/jom.2012.0138

O'Brien J, **Pergolizzi J**, van de Laar M, Mellinghoff HU, Moron Merchante I, Nalamachu S, Perrot S, Raffa RB. Fixed-dose combinations at the front line of multimodal pain management: perspective of the nurse-prescriber. *Nursing: Research and Reviews* 2013; 2013(3):9-22.

Apfel CC, Turan A, Souza K, **Pergolizzi J**, Hornuss C. Intravenous acetaminophen reduces postoperative nausea and vomiting: a systematic review and meta-analysis. *Pain* 2013; 154(5):677-689. doi: 10.1016/j.pain.2012.12.025.

Taylor R, **Pergolizzi J**, Porreca F, Raffa R. Opioid antagonists for pain. *Expert Opin Investig Drugs* 2013; 22(4):517-525.

Merchante I, **Pergolizzi J**, van de Laar M, Mellinghoff HU, Nalamachu S, O'Brien J, Perrot S, and Raffa RB. Tramadol/Paracetamol Fixed-Dose Combination for Chronic Pain Management in Family Practice: A Clinical Review. *ISRN Family Medicine*, vol. 2013, Article ID 638469, 15 pages, 2013. doi:10.5402/2013/638469.

Leslie JB, Raffa RB, Taylor R, Muniz E, Nalamachu S, **Pergolizzi JV**. Essential Oxygen Oil for Treatment of Sport-Related Injuries *American Journal of Sports Science and Medicine*, 2013; 1(1):7-12.

Pergolizzi JV. Treatment of chronic pain in older people: evidence-based choice of strong-acting opioids. *Drugs Aging.* 2012 Dec; 29(12):993-5; author reply 997-8. doi: 10.1007/s40266-012-0025-0

Pergolizzi J, Ben Joseph R, Chang CL, Pierz K, Shah D, Hess G. Impact of dosage strength on medication persistence among patients treated with buprenorphine transdermal system. *Value Health* 2013; 16(3):A120. doi: 10.1016/j.jval.2013.03.576.

Pergolizzi J, Hess G, Chang CL, Shah D, Pierz K, Benjoseph R. Factors predicting medication persistence among patients initiating buprenorphine transdermal system. *Value Health.* 2013 16(3):A120. doi: 10.1016/j.jval.2013.03.575.

Vadivelu N, Gowda AM, Urman RD, Jolly S, Kodumudi V, Maria M, Taylor R Jr, **Pergolizzi J**. Ketorolac tromethamine - routes and clinical implications. *Pain Pract.* 2015;15(2):175-93. doi: 10.1111/papr.12198.

Pergolizzi JV Jr, Ben-Joseph R, Chang CL, Hess G. US practitioner prescribing practices and patient characteristics of those newly treated with a buprenorphine transdermal patch system. *Curr Med Res Opin.* 2014; 30(8):1579-87. doi: 10.1185/03007995.2014.901941.

Summers K, **Pergolizzi J**, Ma L, Foster D, Overholser B, Sowinski K. The prevalence of opioid-related major potential drug-drug interactions and their impact on health care costs. *Value Health.* 2013 May; 16(3):A12. doi: 10.1016/j.jval.2013.03.076.

Pergolizzi JV Jr, Ma L, Foster DR, Overholser BR, Sowinski KM, Taylor R Jr, Summers KH. The prevalence of opioid-related major potential drug-drug interactions and their impact on health care costs in chronic pain patients. *J Manag Care Spec Pharm.* 2014 May; 20(5):467-76.

Angeletti C, Guetti C, Ursini ML, Taylor R Jr, Papola R, Petrucci E, Ciccozzi A, Paladini A, Marinangeli F, **Pergolizzi J**, Varrassi G. Low Back Pain in a Natural Disaster. *Pain Pract.* 2013 Jun 14. Doi: 10.1111/papr.12087.

Pergolizzi J, Ahlbeck K, Aldington D, Alon E, Coluzzi F, Dahan A, Huygen F, Kocot-Kępska M, Mangas AC, Mavrocordatos P, Morlion B, Müller-Schwefe G, Nicolaou A, Pérez Hernández C, Sichére P, Schäfer M, Varrassi G. The development of chronic pain: physiological CHANGE necessitates a multidisciplinary approach to treatment. *Curr Med Res Opin* 2013; 29(9):1127-1135. Doi: 10.1185/03007995.2013.810615.

Pergolizzi JV Jr, Lequang JA. Abuse-Deterrent Formulations of Opioid Analgesics. *Pain Pract.* 2014; 14(3):204-206. Doi: 10.1111/papr.12093

Raffa RB, **Pergolizzi JV Jr**. Opioid-induced hyperalgesia: is it clinically relevant for the treatment of pain patients? *Pain Manag Nurs.* 2013 Sep; 14(3):e67-83.

Raffa RB, Taylor R Jr, **Pergolizzi JV Jr** Sequestered naltrexone in sustained release morphine or oxycodone - a way to inhibit illicit use? *Expert Opin Drug Safety* 2014;13(2):181-190.

Pergolizzi JV Jr, Taylor R Jr, Nalamachu S, Raffa RB, Carlson DR, Varanasi RK, Kopecky EA Challenges of treating patients with chronic pain with dysphagia (CPD): physician and patient perspectives. *Curr Med Res Opin.* 2014;30(2):191-202.

Pergolizzi JV Jr, Taylor R Jr, Raffa RB, Nalamachu S, Chopra M. Fast-Acting Sublingual Zolpidem for Middle-of-the-Night Wakefulness. *Sleep Disord.* 2014; 2014:527109. doi: 10.1155/2014/527109.

Taylor R Jr, **Pergolizzi JV**, Raffa RB, Nalamachu S, Balestrieri PJ. Pain and obesity in the older adult. *Curr Pharm Des.* 2014; 20(38):6037-41.

Pergolizzi JV Jr, Raffa RB, Taylor R Jr. Treating acute pain in light of the chronification of pain. *Pain Manag Nurs.* 2014 Mar; 15(1):380-90. doi: 10.1016/j.pmn.2012.07.004.

Pergolizzi JV, Pappagallo M, LeQuang J, Labhsetwar S, Taylor R. New health care measures: emphasis on better management of postsurgical pain and postoperative nausea and vomiting. *Hosp Pract (1995).* 2014 Feb; 42(1):65-74. doi: 10.3810/hp.2014.02.1093.

Miller K, Yarlal A, Wen W, Dain B, Lynch SY, Ripa SR, **Pergolizzi JV Jr**, Raffa R. The impact of buprenorphine transdermal delivery system on activities of daily living among patients with chronic low back pain: an application of the international classification of functioning, disability and health. *Clin J Pain.* 2014 Dec; 30(12):1015-22. Doi: 10.1097/AJP.000000000000068.

Raffa RB, **Pergolizzi JV Jr**. A modern analgesics pain ‘pyramid.’ *J Clin Pharm Ther.* 2014 Feb; 39(1):4-6. doi: 10.1111/jcpt.12110.

Morley-Forster PK, **Pergolizzi JV**, Taylor R Jr, Axford-Gatley RA, Sellers EM. Mitigating the risk of opioid abuse through a balanced undergraduate pain medicine curriculum. *J Pain Res.* 2013 Dec 4; 6:791-801. doi: 10.2147/JPR.S47192.

Antor MA, Uribe AA, Erminy-Falcon N, Werner JG, Candiotti KA, **Pergolizzi JV** and Bergese SD. The effect of transdermal scopolamine for the prevention of postoperative nausea and vomiting. *Front. Pharmacol* 2014;5:44. doi: 10.3389/fphar.2014.00055

Nalamachu SR, **Pergolizzi J**, Taylor R Jr, Slatkin NE, Barrett AC, Yu J, Bortey E, Paterson C, Forbes WP. Efficacy and Tolerability of Subcutaneous Methylbuprenorphine in Patients with Advanced Illness and Opioid-Induced Constipation: A Responder Analysis of 2 Randomized, Placebo-Controlled Trials. *Pain Practice* 2015; 15(6): 564-571. doi: 10.1111/papr.12218.

Müller-Schwefe G, Ahlbeck K, Aldington D, Alon E, Coaccioli S, Coluzzi F, Huygen F, Jaksch W, Kalso E, Kocot-Kępska M, Kress HG, Mangas AC, Ferri CM, Morlion B, Nicolaou A, Hernández CP, **Pergolizzi J**, Schäfer M, and Sichère P. Pain in the cancer patient: different pain characteristics CHANGE pharmacological treatment requirements. *Curr Med Res Opin.* 2014 Sep; 30(9):1895-908. doi: 10.1185/03007995.2014.925439.

Nalamachu S, **Pergolizzi JV**, Raffa RB, Lakkireddy DR, Taylor R Jr. Drug-drug interaction between NSAIDs and low-dose aspirin: a focus on cardiovascular and GI toxicity. *Expert Opin Drug Saf.* 2014 Jul; 13(7):903-17. doi: 10.1517/14740338.2014.924924.

Galia E, Williams Y, Van Hove B, **Pergolizzi J**, Etropolski M, Vorsanger G. Evaluation of the tamper-resistant properties of tapentadol extended-release tablets: results of in vitro laboratory analyses. *J Opioid Manag.* 2014 May-Jun; 10(3):149-58. doi: 10.5055/jom.2014.0203.

Raffa RB, Gudín JA, Nalamachu S, **Pergolizzi JV Jr.** 'Selective' COX-1 or COX-2 NSAIDs: time to change a misleading measure. *J Clin Pharm Ther.* 2014 Oct; 39(5):455-6. doi: 10.1111/jcpt.12192.

Raffa RB, Haidery M, Huang HM, Kalladeen K, Lockstein DE, Ono H, Shope MJ, Sowunmi OA, Tran JK, **Pergolizzi JV Jr.** The clinical analgesic efficacy of buprenorphine. *J Clin Pharm Ther.* 2014 Dec; 39(6):577-83. doi: 10.1111/jcpt.12196.

Taylor R, Raffa RB, **Pergolizzi JV.** Opioid formulations with sequestered naltrexone: a perspective review. *Ther Adv Drug Saf.* 2014 Jun; 5(3):129-37. doi: 10.1177/2042098614526769.

Radnovich R, Chapman CR, Gudín JA, Panchal SJ, Webster LR, **Pergolizzi JV Jr.** Acute pain: effective management requires comprehensive assessment. *Postgrad Med.* 2014 Jul; 126(4):59-72. doi: 10.3810/pgm.2014.07.2784.

Smith HS, Raffa RB, **Pergolizzi JV**, Taylor R, Tallarida RJ. Combining opioid and adrenergic mechanisms for chronic pain. *Postgrad Med.* 2014 Jul; 126(4):98-114. doi: 10.3810/pgm.2014.07.2788.

Ciccozzi A, Angeletti C, Guetti C, **Pergolizzi J**, Angeletti PM, Mariani R, Marinangeli F. Regional anesthesia techniques for carotid surgery: the state of art. *J Ultrasound.* 2014; 17(3):175-83. doi: 10.1007/s40477-014-0094-5.

Daitch D, Daitch J, Novinson D, Frey M, Mitnick C, **Pergolizzi J Jr.** Conversion from high-dose full-opioid agonists to sublingual buprenorphine reduces pain scores and improves quality of life for chronic pain patients. *Pain Med.* 2014 Dec; 15(12):2087-94. doi: 10.1111/pme.12520.

Langley PC, **Pergolizzi JV Jr**, Taylor R Jr, Ridgway C. Antioxidant and associated capacities of camu (Myrciaria dubia): a systematic review. *J Altern Complement Med*. 2015 Jan; 21(1):8-14. doi: 10.1089/acm.2014.0130.

Pergolizzi JV, Gharibo C, Ho KY . Treatment Considerations for Cancer Pain: A Global Perspective. *Pain Practice* 2015; 15(8):778-792: 10.1111/papr.12253.

Yarlas A, Miller K, Wen W, Lynch SY, Munera C, **Pergolizzi J**, Raffa R, Ripa SR. Buprenorphine transdermal system compared with placebo reduces interference in functioning for chronic low back pain. *Postgrad Med*. 2015 Jan; 127(1):38-45.

Yarlas A, Miller K, Wen W, Lynch SY, Ripa SR, **Pergolizzi J**, Raffa RB. Buprenorphine Transdermal System Improves Sleep Quality and Reduces Sleep Disturbance in Patients with Moderate-to-Severe Chronic Low Back Pain: Results from Two Randomized Controlled Trials. *Pain Practice* 2015 Jan 20. Doi: 10.1111/papr.12281.

Pergolizzi JV, Köknel Talu G, Zampona G, Erdine S, Taylor R, Ayan B, Raffa RB. Maximizing value in opioid utilization: Is oxycodone immediate release a good option for pain management? *Agri*. 2015 Jan; 27(1):1-11. doi: 10.5505/agri.2015.79663.

Vadivelu N, Gowda AM, Urman RD, Jolly S, Kodumudi V, Maria M, Taylor R Jr, **Pergolizzi JV Jr**. Ketorolac tromethamine - routes and clinical implications. *Pain Practice* 2015 Feb;15(2):175-93. doi: 10.1111/papr.12198.

Pergolizzi JV, Ben-Joseph R, Chang CL, Hess G. Predicting medication persistence to buprenorphine transdermal system. *Pain Practice* 2015; 15(2):140-149. doi: 10.1111/papr.12155.

Pergolizzi JV Jr. DEA reschedules hydrocodone combination products. *Pain Practice* 2015;15(2):95-97. doi: 10.1111/papr.12268.

Pergolizzi JV Jr, Zampogna G, Taylor R Jr, Raffa RB. Long-term efficacy, safety and tolerability of Remoxy for the management of chronic pain. *Expert Rev Neurotherapy* 2015; 15(3):231-8. doi: 10.1586/14737175.2015.1015418.

Coluzzi F, **Pergolizzi J**, Raffa RB, Mattia C. The unsolved case of "bone-impairing analgesics": the endocrine effects of opioids on bone metabolism. *Therapy Clinical Risk Management* 2015. 11:515-23. doi: 10.2147/TCRM.S79409.

Pergolizzi JV Jr, Taylor R Jr, Raffa RB. Intranasal ketorolac as part of a multimodal approach to postoperative pain. *Pain Practice*, 2015. 15(4):378-88. doi: 10.1111/papr.12239.

Yarlas A, Miller K, Wen W, Lynch SY, Munera C, Dain B, **Pergolizzi JV Jr**, Raffa R, Ripa SR. A Subgroup Analysis Found no Diminished Response to Buprenorphine Transdermal System Treatment for Chronic Low Back Pain Patients Classified with Depression. *Pain Practice*, 2016;16(4):473-485. doi: 10.1111/papr.12298.

Pergolizzi JV Jr, Taylor R Jr, Raffa RB. Intranasal ketorolac as part of a multimodal approach to postoperative pain. *Pain Practice* 2015. 15(4):378-88. doi: 10.1111/papr.12239.

Langley PC, **Pergolizzi JV Jr**, Taylor R Jr, Ridgway C. Antioxidant and associated capacities of Camu (Myrciaria dubia): a systematic review. *J Altern Complement Med.* 2015 Jan;21(1):8-14. doi: 10.1089/acm.2014.0130.

Vadivelu N, Gowda AM, Urman RD, Jolly S, Kodumudi V, Maria M, Taylor R Jr, **Pergolizzi JV Jr**. Ketorolac tromethamine - routes and clinical implications. *Pain Practice* 2015;15(2):175-93. doi: 10.1111/papr.12198.

Pergolizzi JV, Ben-Joseph R, Chang CL, Hess G. Predicting medication persistence to buprenorphine transdermal system. *Pain Practice* 2015; 15(2):140-9. doi: 10.1111/papr.12155.

Coluzzi F, Raffa RB, **Pergolizzi J**, Rocco A, Locarini P, Cenfra N, Cimino G, Mattia C. Tapentadol prolonged release for patients with multiple myeloma suffering from moderate-to-severe cancer pain due to bone disease. *J Pain Reseach* 2015 May 8;8:229-38. doi: 10.2147/JPR.S83490.

Eichenbaum G, Göhler K, Etropolski M, Steigerwald I, **Pergolizzi J**, Kim M, Vorsanger G. Does tapentadol affect sex hormone concentrations differently from morphine and oxycodone? An initial assessment and possible implications for opioid-induced androgen deficiency. *J Opioid Manag.* 2015;11(3):211-27. doi: 10.5055/jom.2015.0270.

Pergolizzi JV Jr, Taylor R Jr, Raffa RB. The Potential Role of an Extended-Release, Abuse-Deterrent Oxycodone/Acetaminophen Fixed-Dose Combination Product for the Treatment of Acute Pain. *Advances in Therapy*, 2015;32(6):485-95. doi: 10.1007/s12325-015-0213-5.

Pergolizzi JV Jr, Scholten W, Smith KJ, Leighton-Scott J, Willis JC, Henningfield JE. The unique role of transdermal buprenorphine in the global chronic pain epidemic. *Acta Anaesthesiol Taiwan.* 2015 Jun;53(2):71-6. doi: 10.1016/j.aat.2015.06.001.

Nalamachu SR, **Pergolizzi J**, Taylor R Jr, Slatkin NE, Barrett AC, Yu J, Bortey E, Paterson C, Forbes WP. Efficacy and Tolerability of Subcutaneous Methylnaltrexone in Patients with Advanced Illness and Opioid-Induced Constipation: A Responder Analysis of 2 Randomized, Placebo-Controlled Trials. *Pain Practice*, 2015;15(6):564-71. doi: 10.1111/papr.12218.

Pergolizzi JV Jr. New care measures and their impact on pain medicine: One pain specialist's perspective. *Postgrad Med.* 2015 Aug;127(6):616-22. doi: 10.1080/00325481.2015.1054616.

Pergolizzi JV, Gharibo C, Ho KY. Treatment Considerations for Cancer Pain: A Global Perspective. *Pain Practice.* 2015;15(8):778-92. doi: 10.1111/papr.12253

Coluzzi F, Mattia C, Savoia G, Clemenzi P, Melotti R, Raffa RB, **Pergolizzi JV Jr**. Postoperative Pain Surveys in Italy from 2006 and 2012: (POPSI and POPSI-2). *Eur Rev Med Pharmacol Sci.* 2015 Nov;19(22):4261-9.

Meissner W, Coluzzi F, Fletcher D, Huygen F, Morlion B, Neugebauer E, Pérez AM, **Pergolizzi J**. Improving the management of post-operative acute pain: priorities for change. *Curr Med Res Opin*. 2015 Nov;31(11):2131-43. doi: 10.1185/03007995.2015.1092122.

Nguyen V, Raffa RB, Taylor R, **Pergolizzi JV Jr**. The role of abuse-deterrent formulations in countering opioid misuse and abuse. *J Clin Pharm Ther*. 2015 Dec;40(6):629-34. doi: 10.1111/jcpt.12337.

Li Z, **Pergolizzi JV**, Huttner RP, Zampogna G, Breve F, Raffa RB. Management of opioid-induced constipation in pregnancy: a concise review with emphasis on the PAMORAs. *J Clin Pharm Ther*. 2015 Dec;40(6):615-9. doi: 10.1111/jcpt.12331.

Yarlas A, Miller K, Wen W, Lynch SY, Munera C, Dain B, **Pergolizzi J**, Raffa R, Ripa SR. Buprenorphine Transdermal System Improves Sleep Quality and Reduces Sleep Disturbance in Patients with Moderate-to-Severe Chronic Low Back Pain: Results from Two Randomized Controlled Trials. *Pain Practice* 2016;16(3):345-58. doi: 10.1111/papr.12281.

Pergolizzi J, Zampogna G, Taylor R, Gonima E, Posada J, Raffa RB. A Guide for Pain Management in Low and Middle Income Communities. Managing the Risk of Opioid Abuse in Patients with Cancer Pain. *Front Pharmacol*. 2016 Mar 1;7:42. doi: 10.3389/fphar.2016.00042.

Pergolizzi J, Raffa RB, Nalamachu S, Taylor R Jr. Evolution to low-dose NSAID therapy. *Pain Manag*. 2016 Apr;6(2):175-89. doi:10.2217/pmt.15.69.

Coluzzi F, Taylor R Jr, **Pergolizzi J** Mattia C, Raffa RB, Braz J Good clinical practice guide for opioids in pain management: the three Ts - titration (trial), tweaking (tailoring), transition (tapering). *Anesthesiol*. 2016 May-Jun; 66 (3):310-7. doi: 10.1016/j.bjane.2014.09.005.

Coluzzi F, Taylor R Jr, **Pergolizzi J**, Mattia C, Raffa RB. [Good clinical practice guide for opioids in pain management: the three Ts - titration (trial), tweaking (tailoring), transition (tapering).] *Rev Bras Anesthesiol*. 2016 May-Jun; 66 (3):310-7. doi:10.1016/j.bjan.2016.02.008. Portuguese.

Raffa RB, Taylor R Jr, **Pergolizzi JV Jr**, Nalamachu S, Edwards ES, Edwards ET. Application of human factors engineering (HFE) to the design of a naloxone auto-injector for the treatment of opioid emergencies. *Drug Deliv Transl Res*. 2017;7(1):1-10.

Lin TC, Ger LP, **Pergolizzi J**, Raffa RB, Wang JO, Ho ST. Knowledge, Attitude and Practice Survey of Prescribing Opioids for Chronic Noncancer Pain in Taiwan- Comparison of Pain and Non-Pain Physicians. *Pain Med*, 2019;20(12):2397-2410.

Pergolizzi J, Raffa RB, Zampogna G, Breve F, Colucci R, Schmidt WK, LeQuang JA. Comments and Suggestions from Pain Specialists Regarding the CDC's Proposed Opioid Guidelines. *Pain Practice*, 2016;16(7):794-808

Pergolizzi JV Jr, Seow-Choen F, Wexner SD, Zampogna G, Raffa RB, Taylor R Jr. Perspectives on Intravenous Oxycodone for Control of Postoperative Pain. *Pain Practice*, 2016; 16(7):924-34. doi: 10.1111/papr.12345.

Pergolizzi J, Paladini A, Varrassi G, Raffa RB. Change Pain: Ever Evolving-An Update for 2016. *Pain Ther*. 2016; 5(2):127-133.

Pergolizzi J, Raffa RB, LeQuang JA. The Centers for Disease Control and Prevention opioid guidelines: potential for unintended consequences and will they be abused? *J Clin Pharm Ther*. 2016 Dec; 41(6):592-593,

Pergolizzi JV, Zampogna G, Robert Taylor Jr, Raffa RB (2016) Insights into Chronic Postsurgical Pain. *Int J Surg Res*. 3(5), 55-60.

Zampogna, G, **Pergolizzi, J.V**, Raffa RB, Taylor R, Fliescher C, Nopper L, DiLorenzo F, Duval, CM, Edun AN, Salamara J. Pain Specialists Awareness of Topical Analgesics and Their Use in Pain Control: Survey Results. *Journal of Anesthesia and Surgery*, 2016;2016; 3:1-5.

Pergolizzi JV, Raffa RB, Fleischer C, Zampogna G, Taylor R. Management of moderate to severe chronic low back pain with buprenorphine buccal film using novel bioerodible mucoadhesive technology. *J Pain Research* 2016; 9:909-916.

Lin TC, Ger LP, **Pergolizzi JV Jr**. Raffa RB, Wang JO, Ho ST. Long-term use of opioids in 210 officially registered patients with chronic noncancer pain in Taiwan: A cross-sectional study. *J Formos Med Assoc*. 2016 Dec 23. doi: 10.1016/j.jma.2016.10.015.

Pergolizzi JV Jr, Taylor R, LeQuang JA, Zampogna G, Raffa RB. Concise review of the management of iatrogenic emesis using cannabinoids: emphasis on nabilone for chemotherapy-induced nausea and vomiting. *Cancer Chemother Pharmacol* 2017 Mar; 79(3):467-477.

Pergolizzi JV Jr, Raffa RB, Pappagallo M, Fleischer C, Pergolizzi J 3rd, Zampogna G, Duval E, Hismeh J, LeQuang JA, Taylor R Jr. Peripherally acting μ -opioid receptor antagonists as treatment options for constipation in noncancer pain patients on chronic opioid therapy. *Patient Pref Adherence* 2017; 11:107-0119.

Pergolizzi JV, Raffa RB, Marcum Z, Colucci S, Ripa SR. Safety of buprenorphine transdermal system in the management of pain in older adults. *Postgrad Med*. 2017 Jan; 129(1):92-101.

Raffa RB, Taylor R Jr. **Pergolizzi JV Jr**, Nalamachu S, Edwards ES, Edwards ET. Application of human factors engineering (HFE) to the design of a naloxone auto-injector for the treatment of opioid emergencies. *Drug Deliver Transl Res*. 2017 Feb; 7(1):1-10.

Broglio K, **Pergolizzi J**, Kowalski M, Lunch SY, HeE, Wen W. Long-term effectiveness of once-daily, single-entity, extended-release hydrocodone in patients of ≥ 75 years of age with moderate to severe nonmalignant and nonneuropathic pain. *Geriatr Nurs*. 2017 Jan-Feb; 38(1):39-47.

Broglio K, **Pergolizzi J**, Kowalski M, Lunch SY, HeE, Wen W. Efficacy and safety of once-daily extended-release (ER) hydrocodone in individuals previously receiving ER morphine for chronic pain. *Pain Pract.* 2017 Mar; 17(3):382-391.

Pergolizzi JV, Raffa RB, Taylor R, et al. Special Topics. Opioid Therapy for Chronic Noncancer Pain: Safe, Effective, Appropriate? In: Kaye AD, ed. *Scientific American Pain Management* [online]. Hamilton: Decker; January 2017. DOI: 10.2310/7900.15027. www.sciampain.com

Pergolizzi J., Taylor R., LeQuang J., Bisney J., Breve F., Annabi M., Annabi H., and Colucci S. The Evolution of Abuse-Deterrent Extended-Release Opioid Formulations: Is there a Place in the Armamentarium for More Products?" *EC Anaesthesia*, 2017; 3(2): 64-77.

Fleischer BC, **Pergolizzi JV**, Papagallo M, Taylor R and LeQuang JA. Trigeminal Trophic Syndrome: A Case Report. *Austin J Anesthesia and Analgesia* 2017;5(2): 1060.

Pasqualucci A., Nadhari MY., Vaidyan KPT., Varrassi G., LeQuang J., **Pergolizzi JV.**, and Paladini A. Role Of Anesthetist In Sedation For Diagnostic Procedures: The Glass Is Half Empty? A Narrative Review. *SOJ Anesthesiol Pain Manag.* 2017;4(2):1-4.

Lin TC, Ger LP, Pergolizzi JV Jr, Raffa RB, Wang JO, Ho ST. Long-term use of opioids in 210 officially registered patients with chronic noncancer pain in Taiwan: A cross-sectional study. *J Formos Med Assoc.* 2017 Apr;116(4):257-265. doi: 10.1016/j.jfma.2016.10.015.

Müller-Schwefe G, Morlion B, Ahlbeck K, Alon E, Coaccioli S, Coluzzi F, Huygen F, Jaksch W, Kalso E, Kocot-Kępska M, Kress HG, Mangas AC, Margarit Ferri C, Mavrocordatos P, Nicolaou A, Hernández CP, **Pergolizzi J**, Schäfer M, Sichère P. Treatment for chronic low back pain: the focus should change to multimodal management that reflects the underlying pain mechanisms. *Curr Med Res Opin.* 2017 Jul;33(7):1199-1210. doi: 10.1080/03007995.2017.1298521.

Pergolizzi JV, Curro FA, Col N, Ghods MP, Vena D, Taylor R, Naftolin F, LeQuang JA. A multicentre evaluation of an opioid patient-provider agreement. *Postgrad Med J.* 2017 Oct;93(1104):613-617. doi: 10.1136/postgradmedj-2016-134607.

Tabor A, **Pergolizzi JV Jr**, Marti G, Harmon J, Cohen B, Lequang JA. Raising Awareness Among Healthcare Providers about Epidermolysis Bullosa and Advancing Toward a Cure. *J Clin Aesthet Dermatol.* 2017 May;10(5):36-48.

Pergolizzi JV Jr, LeQuang JA Ba, Taylor R Jr, Raffa RB; NEMA Research Group. The "Darknet": The new street for street drugs. *J Clin Pharm Ther.* 2017 Dec;42(6):790-792. doi: 10.1111/jcpt.12628.

Raffa RB, **Pergolizzi JV Jr**, Taylor R Jr, Kitzen JM. Sunscreen bans: coral reefs and skin cancer. *J Clin Pharm Ther.* 2018; 44(1):134-139. doi: 10.1111/jcpt.12778.

Pergolizzi J, Rosenblatt M, Mariano DJ, Bisney J. Tapering opioid therapy: clinical strategies. *Pain Manag* 2018;8(6):409-413.

Pergolizzi JV Jr, LeQuang JA, Taylor R Jr, Ossipov MH, Colucci D, Raffa RB. Designing safer analgesics: a focus on μ opioid receptor pathways. *Exp Opin Drug Discov* 2018; 13(10)965-972.

Raffa RB, **Pergolizzi JV Jr**, Taylor R Jr, Ossipov MH. Discovery of folded DNA structures in human cells: potential drug targets. *J Clin Pharm Ther* 2019; 44(1):125-128. Doi: 10.1111/jcpt.12758.

Pergolizzi JV Jr, Taylor R JR, LeQuang JA, Raffa RB. What's holding back abuse-deterrent opioid formulations? Considering 12 US stakeholders. *Exp Opin Drug Deliv* 2018; 15(6):567-576.

Eke-Okoro UJ, Raffa RB, **Pergolizzi JV Jr**, Breve F, Taylor R Jr. Curcumin in turmeric: basic and clinical evidence for a potential role in analgesia. *J Clin Pharm Ther* 2018. 43(4):460-464

Raffa RB, **Pergolizzi JV Jr**, Taylor R Jr., Ossipov MH. Indirect-acting strategy of opioid action instead of direct receptor activation: dual-acting enkephalinase inhibitors (DENKIs). *J Clin Pharm Ther* 2018; 43(4):443-449.

Pergolizzi JV Jr, Coluzzi F, Taylor R Jr. Transdermal buprenorphine for moderate chronic noncancer pain syndromes. *Expert Rev Neurother* 2018; 23:1-11.

Pergolizzi JV Jr, Taylor R Jr, LeQuang JA, Raffa RB, Bisney J. Tapentadol extended release in the treatment of severe chronic low back pain and osteoarthritis pain. *Pain Ther* 2018; 7(1):37-57.

Pergolizzi JR JV, Taylor R Jr, LeQuang JA, Raffa RB. The role and mechanism of action of menthol in topical analgesic products. *J Clin Pharm Ther* 2018; 43(3):313-319.

Raffa RB, **Pergolizzi JV**, Taylor R, Ossipov MH. Nature's first atypical opioids: kratom and mitragynines. *J Clin Pharm Ther* 2018;43(3):437-441.

Morlion B, Coluzzi F, Aldington D, Kocot-Kepska M, **Pergolizzi J**, Mangas AC, Ahlbeck K, Kalso E. Pain chronification: what should a non-pain specialist know? *Curr Med Res Opin* 2018; 34(7):1169-1178.

Pergolizzi JV Jr, Taylor R Jr, LeQuang JA, Raffa RB. Managing severe pain and abuse potential: the potential impact of a new abuse-deterrent formulation oxycodone/naltrexone extended-release products. *J Pain Res.* 2018;11:301-311.

Pergolizzi JV J, LeQuang JA, Taylor R Jr, Raffa RB, Colucci D. The role of cannabinoids in pain control: the good, the bad, and the ugly. *Minerva Anesthesiol* 2018 84(8):955-969.

Pergolizzi JV Jr, Raffa RB, Taylor R Jr, Vacalis S. Abuse-deterrent opioids: an update on current approaches and considerations. *Curr Med Res Opin* 2018;34(4):711-723.

Raffa RB, Pawasauskas J, **Pergolizzi JV Jr**, Lu L, Chen Y, Wu S, Jarrett B, Fain R, Hill L, Devarakonda K. Pharmacokinetics of oral and intravenous paracetamol (acetaminophen) when co-administered with intravenous morphine in healthy adult subjects. *Clin Drug Investig.* 2018. 38(3):259-268.

Pergolizzi JV Jr, LeQuang JA, Taylor R, Raffa RB. Going beyond prescription pain relievers to understand the opioid epidemic: the role of illicit fentanyl, new psychoactive substances and street heroin. *Postgrad Med* 2018. 130(1):1-8.

Raffa RB, **Pergolizzi JV Jr**, Taylor R Jr. The rapid-onset antidepressant effect of ketamine: More surprises? *J Clin Pharm Ther* 2018;43(2):308-311.

Meissner W, Huygen F, Neugebauer EAM, Osterbrink J, Benhamou D, Betteridge N, Coluzzi F, De Andres J, Fawcett W, Fletcher D, Kalso E, Kehlet H, Morlion B, Montes Pérez A, **Pergolizzi J**, Schäfer M. Management of acute pain in the postoperative setting: the importance of quality indicators. *Curr Med Res Opin* 2018; 34(1):187-196.

Raffa RB, **Pergolizzi JV Jr**, LeQuang JA, Taylor R Jr., Colucci S, Annabi MH. The fentanyl family: a distinguished medical history tainted by abuse. *J Clin Ther.* 2018;43(1):154-158.

Pergolizzi J, Kowalski M, He E. Effectiveness of once-daily extended-release hydrocodone in individuals previously receiving immediate-release oxycodone for chronic pain. *Pain Med* 2018;19(5):967-977.

Pergolizzi JV Jr, LeQuang JA, Bisney J. Cannabinoid Hyperemesis. *Medical Cannabis and Cannabinoids*. DOI 10.1159/000494992.

Kitzen JM, **Pergolizzi JV Jr**, Taylor R Jr, Raffa RB. The role of medical literature, clinical trials and experimental research in drug product-injury litigation: a primer with two examples. *Pharmacol Pharm* 2018; 9:208-227.

Raffa RB, **Pergolizzi JV Jr**, Taylor R Jr. The first approved ‘deuterated’ drug: a short review of the concept. *Pharmacol Pharm* 2018; 9:440-446.

Ossipov MH, **Pergolizzi JV Jr**, Taylor R Jr, Raffa RB. Targets to watch – nerve growth factor (NGF) as a target for the treatment of neuropathic pain. *Drugs Future* 2018; 43:655-664.

Raffa RB, **Pergolizzi JV Jr**, Taylor R Jr., James RP, Pirner M. Differences in the receptor binding profile of lofexidine compared to clonidine. *Pharmacol & Pharm*, 2019;10(1). Accessible at: <https://m.scirp.org/papers/89688>.

Pergolizzi JV Jr, Taylor R Jr, Raffa RB. Crisaborole and apremilast: pde4 inhibitors with similar mechanism of action, different indications for management of inflammatory skin conditions. *Pharmacol Pharm* 2018; 9:357-381.

Pergolizzi JV Jr, LeQuang JA, Taylor R Jr, Ossipov MH, Raffa RB. Targets to watch: kappa opioid receptor in pain treatment. *Drugs Future*

Pergolizzi JV Jr, Ossipov MH, Taylor R Jr, Raffa RB. ‘New-look’ opioids: biased ligands. *Pharmacol Pharm* 2018;9:242-249.

Nalamachu S, **Pergolizzi JV Jr**, Taylor R Jr, LeQuang JA, Pergolizzi JV 3rd, Raffa RB. Hormone replacement therapy for restoring the HPG axis in pain patients treated with long-term opioid analgesics. *Pharmacol Pharm* 2018; 9:473-480.

Raffa RB, **Pergolizzi JV Jr**, Taylor R Jr, Choudhuri S, Rodenbeck R. Persistence of healthcare-associated (nosocomial) infections due to inadequate hand hygiene: Part 1 – biological and treatment factors. *Pharmacol Pharm* 2018; 9:293-309.

Raffa RB, **Pergolizzi JV Jr**, Taylor R Jr, Choudhuri S, Rodenbeck R. Persistence of healthcare-associated (nosocomial) infections due to inadequate hand hygiene: Part 2 – human factors. *Pharmacol Pharm* 2018; 9:310-323.

Raffa RB, **Pergolizzi JV Jr**, Taylor R Jr, Parker G, Rodenbeck R. Persistence of healthcare-associated (nosocomial) infections due to inadequate hand hygiene: Part 3 – application of human factors engineering to an ozone hand sanitizer. *Pharmacol Pharm* 2018; 9:324-330.

Raffa RB, **Pergolizzi JV Jr**, Wright S. Benzodiazepines and ‘Z’ drugs for pain patients: the problem of protracted withdrawal symptoms (PWS). *Painweek J* 2018; 6. Accessible at: <https://www.painweek.org/media/journal/benzodiazepines-and-z-drugs-pain-patients>.

Pergolizzi, J.V., Annabi, H., Gharibo, C., LeQuang, JA The Role of Lofexidine in Management of Opioid Withdrawal. *Pain Ther* 2019; 8(1)67-78.

Pergolizzi JV Jr., Taylor R, Jr., LeQuang JA, Bisney J. Raffa RB, Pergolizzi F, Colucci D, Batastini L. Driving under the influence of opioids: what prescribers should know. *J Opioid Manag* 2018; 14(6):415-427.

Varrassi G, Alon E, Bagnasco M, Lanata L, Mayoral-Royals V, Paladini A, **Pergolizzi JV**, Perrot S, Scarpignato C, Tolle T. Towards an effective and safe treatment of inflammatory pain: a Delphi-guided expert consensus. *Adv Ther* 2019; doi: 10.1007/s12325-019-01053-x.

Pergolizzi JV, Varrassi G, Paladini A, LeQuang J. Stopping of decreasing opioid therapy in patients on chronic opioid therapy. *Pain Ther* 2019. doi: 0.1007/s40122-019-00135-6.

Pergolizzi JV Jr, Taylor R Jr, LeQuang JA, Lara A, Ortiz AH, Iban MAR. Pain control in Latin America: the optimized role of buprenorphine in the treatment of cancer and noncancer pain. *Pain Ther.* 2019; 8(2):187-201. doi: 10.1007/s40122-019-0126-0.

Pergolizzi JV Jr, Rosenblatt M, LeQuang JA. Three years down the road: the aftermath of the CDC guideline for prescribing opioids for chronic pain. *Adv Ther* 2019;36(6):1235-1240.

Kitzen JM, McConaha JL, Bookser, ML, **Pergolizzi JV Jr**, Taylor R Jr, Raffa RB. E-cigarettes for smoking cessation: do they deliver? *J Clin Pharm Ther* 2019; 44(4):650-655.

Pergolizzi JV, LeQuang JA, Passik S, Coluzzi F. Using opioid therapy for pain in clinically challenging situations: questions for clinicians. *Minerva Anesthesiol* 2019; 85(8):899-908.

Pergolizzi JV Jr., Rosenblatt M, Mariano DJ, LeQuang JA. Clinical considerations about opioid withdrawal symptoms. *Pain Manag* 2019; 9(2):111-113.

Raffa RB, Taylor R Jr, **Pergolizzi JV Jr**. Treating opioid-induced constipation in patients taking other medications: Avoiding CYP450 drug interactions. *J Clin Pharm Ther* 2019;44(3):361-371.

Raffa RB, **Pergolizzi, JV**. Commentary: Benzodiazepine (BZD) and related BZD-receptor agonists: basic science reasons to limit to four weeks or less. *Pharmacology and Pharmacy* 2019; 10(8): 357-364.

Pergolizzi JV, Taylor R, LeQuang J, Gould E, Raffa RB. Treating insomnia in older adult patients: limiting benzodiazepine use. *Pharmacology and Pharmacy* 2019; 10(3):116-129

Pergolizzi JV, Coluzzi F, Varrassi, Mariano DJ, LeQuang J, Bisney J, Magnusson P. Red wine triggers may lead to better understanding of migraine headache: a narrative review. *J Wine Research* 2019; 30(1):15-30.

Olsson H, Al-Saadi J, Oehler D, **Pergolizzi JV**, Magnusson P. Physiological effects of beetroot in athletes and patients. 2019. *Cureus*. Accessible at: <https://www.cureus.com/articles/24094-physiological-effects-of-beetroot-in-athletes-and-patients>

Varrassi G, Alon E, Bagnasco M, Lanata L, Mayoral-Rojals V, Paladini A, **Pergolizzi JV**, Perrot S, Scarpignato C, Tölle T. Towards an effective and safe treatment of inflammatory pain: a Delphi-guided expert consensus. *Advances in Therapy* 2019; 36: 2618-2637.

Wollmuth C, Foti D, Taylor R, **Pergolizzi JV**, Tribuiani A. Human amniotic fluid injection as a treatment for diabetic foot ulceration: a case report. *International J of Case Reports Clin Images*. 2019; 1(3):1-4.

Raffa RB, Taylor R, **Pergolizzi JV**. Treating opioid-induced constipation in patients taking other medications: avoiding CYP450 drug interactions. *J Clin Pharm Ther* 2019; 44(3):361-371.

Pergolizzi JV, LeQuang JA, Taylor R, Ossipov MH, Raffa RB. Kappa-opioid receptor agonists in pain treatment. *Drugs Future* 2019;44(1):39.

Raffa RB, **Pergolizzi JV**. Directing the metabolism of drugs away from CYP450: the use of oxetane rings. *Pharmacology & Pharmacy* 2019;10(11): 465-473.

Magnusson, P, **Pergolizzi JV**, Wolf RK, Lamberts M, LeQuang J. Anticoagulation in atrial fibrillation patients. 2019. Accessible from: <https://www.intechopen.com/online-first/anticoagulation-in-atrial-fibrillation-patients>

Magnusson P, Samuelsson M, **Pergolizzi J**, Annabi H, LeQuang J. Atrial fibrillation and the role of thumb ECGs. 2019. Accessible from: <https://www.intechopen.com/books/cardiac-pacing-and-monitoring-new-methods-modern-devices/atrial-fibrillation-and-the-role-of-thumb-ecgs>

Magnusson P, **Pergolizzi JV**, LeQuang J. The wearable cardioverter-defibrillator. 2019. Accessible from: <https://www.intechopen.com/online-first/the-wearable-cardioverter-defibrillator>

Magnusson P, **Pergolizzi JV**, LeQuang J. Leadless pacemakers. 2018. Accessible from: <https://www.intechopen.com/books/cardiac-pacing-and-monitoring-new-methods-modern-devices/leadless-pacemakers>

Magnusson P, **Pergolizzi J**, LeQuang JA. 2018. The subcutaneous implantable cardioverter-defibrillator 2018. Accessible from: <https://www.intechopen.com/books/cardiac-pacing-and-monitoring-new-methods-modern-devices/leadless-pacemakers>

Varrassi G, **Pergolizzi JV**, Dowling P, Paladini A. Ibuprofen safety at the golden anniversary: are all NSAIDs the same? A narrative review. *Advances in Therapy* 2019; doi: 10.1007/s12325-019-01144-9.

Pergolizzi JV, LeQuang J, Taylor R, Raffa RB. The place of community rescue naloxone in a public health crisis of opioid overdose. *Pharmacology and Pharmacy* 2019;10:61-81.

Varrassi G, **Pergolizzi J**, Peppin J, Paladini A. Analgesic drugs and cardiac safety. *Brain and Heart Dynamics*. Doi: 10.1007/978-3-319-90305-7_43-1.

Rekatsina, Paladini A, Piroli A, Zis P, **Pergolizzi J**, Varrassi G. Pathophysiology and Therapeutic Perspectives of Oxidative Stress and Neurodegenerative Diseases: A Narrative Review. *Advances in Therapy*; 2019. Doi: 10.1007/s12325-019-01148-5.

Pergolizzi JV, Raffa RB, Paladini A, Varrasi G, LeQuang J. Treating pain in patients with dementia and the possible concomitant relief of symptoms of agitation. *Pain Management* 2019; 9(6).

Raffa RB, **Pergolizzi JV**, Taylor R. Designing general anesthetics that have a better safety profile. *Pharmacology and Pharmacy* 2019; 10(10). Accessible from: https://www.scirp.org/html/1-2501047_95615.htm

Haber I, **Pergolizzi J**, LeQuang J. Poppy seed tea: A short review and case study. *Pain and Therapy* 2019; 8(1):151-155.

Magnusson P, **Pergolizzi JV**, LeQuang JA. Implantable cardioverter-defibrillator therapy at end of life: A commentary. *Heart and Mind* 2019; 3(1):31-33.

Pergolizzi J, LeQuang J. Lidocaine topical systems in the treatment of postherpetic neuralgia. *EC Anaesthesia* 2019; 5(8):239-251.

Pergolizzi, J.V., Jr., LeQuang, J.A. and Raffa, R.B. (2020) Benzodiazepines: Thinking outside the black box. *J Clin Pharm Ther.*

Nalamachu, S., Pergolizzi, J. and Kaye, R. (2020) Tolperisone for the Treatment of Acute Muscle Spasm of the Back: Results from the Dose-Ranging Phase 2 STAR Study CT03802565). *J Pain Res*, **13**, 3059-3069.

Pergolizzi, J., Jr., LeQuang JA, Umeda-Raffa S, Fleischer C, Pergolizzi J 3rd, Pergolizzi, C, Raffa RB. (2020) The Zika virus: Lurking behind the COVID-19 pandemic? *J Clin Pharm Ther.*

Umeda-Raffa, S., **Pergolizzi, J.V., Jr.** and Raffa, R.B. (2020) Bone fractures during the time of coronavirus. *J Clin Pharm Ther.*

Pergolizzi, J.V., Jr., Raffa RB, Varrassi G, Mangusson P, LeQuang JA, Paladini A, Taylor R, Wollmuth C, Breve F, Chopra M, Nalamasu R, Christo, PJ. (2020) Potential Neurological Manifestations of COVID-19: A Narrative Review. *Postgrad Med.*

Moka, E., Paladini A, Rekatsina M, Urits I, Viswanath O, Kaye AD, **Pergolizzi JV**, Yeam CT, Varrassi G. (2020) Best practice in cardiac anesthesia during the COVID-19 pandemic: Practical recommendations. *Best Pract Res Clin Anaesthesiol*, **34**, 569-582.

Puntillo, F., Giglio M, Brienza N, Viswanath O, Units I, Kaye AD, **Pergolizzi J**, Paladini A, Varrassi G. (2020) Impact of COVID-19 pandemic on chronic pain management: Looking for the best way to deliver care. *Best Pract Res Clin Anaesthesiol*, **34**, 529-537.

Leopoulou, M., Mattsson G, LeQuang JA, **Pergolizzi JV**, Varrassi G, Wallhagen M, Magnusson, P. (2020) Naxos disease - a narrative review. *Expert Rev Cardiovasc Ther*, **18**, 801-808.

Stolle, L.B., Nalamasu R, **Pergolizzi JV Jr**, Varrassi G, Magnusson P, LeQuang J, Breve F. (2020) Fact vs Fallacy: The Anti-Vaccine Discussion Reloaded. *Adv Ther*, **37**, 4481-4490.

El-Tallawy, S.N., Nalamasu, R., **Pergolizzi, J.V.** and Gharibo, C. (2020) Pain Management During the COVID-19 Pandemic. *Pain Ther*, **9**, 453-466.

Pergolizzi, J.V., Jr., Magnusson P, LeQuang, JA, Breve F, Paladini A, Rekatsina M, Yeam CT, Imani F, Saltelli G, Taylor R Jr, Wollmuth C, Varrassi G. (2020) The Current Clinically Relevant Findings on COVID-19 Pandemic. *Anesth Pain Med*, **10**, e103819.

Pergolizzi, J.V., Jr., Magnusson, P., Raffa, R.B., LeQuang, J.A. and Coluzzi, F. (2020) Developments in combined analgesic regimens for improved safety in postoperative pain management. *Expert Rev Neurother*, **20**, 981-990.

Varrassi, G., Yeam CT, Rekatsina M, **Pergolizzi JV**, Zis P, Paladini A. (2020) The Expanding Role of the COX Inhibitor/Opioid Receptor Agonist Combination in the Management of Pain. *Drugs*, **80**, 1443-1453.

Pergolizzi, J.V., Jr., Varrassi G, Mangusson P, LeQuang JA, Leopoulou M, Paladini A, Taylor R, Wollmuth C, Breve F. (2020) The concern about ACE/ARB and COVID-19: Time to hold your horses! *J Am Pharm Assoc (2003)*, **60**, e88-e90.

Coluzzi, F., Scerpa, M.S. and **Pergolizzi, J.** (2020) Naldemedine: A New Option for OIBD. *J Pain Res*, **13**, 1209-1222.

Pergolizzi, J.V., Jr., Varrassi G, Magnusson P, LeQuang JA, Paladini A, Taylor R, Wollmuth C, Breve F, Christo P. (2020) COVID-19 and NSAIDS: A Narrative Review of Knowns and Unknowns. *Pain Ther*, **9**, 353-358.

Coluzzi, F., Marinangeli, F. and **Pergolizzi, J.** (2020) Managing chronic pain patients at the time of COVID-19 pandemic. *Minerva Anesthesiol*, **86**, 797-799.

Pergolizzi, J.V., Jr., Magnusson P, LeQuang JA, Wollmuth C, Taylor R Jr, Breve F. (2020) Exploring the Connection Between Sleep and Cluster Headache: A Narrative Review. *Pain Ther*, **9**, 359-371.

Rekatsina, M., Paladini A, Cifone MG, Lombardi F, **Pergolizzi JV**, Varrassi G. (2020) Influence of Microbiota on NSAID Enteropathy: A Systematic Review of Current Knowledge and the Role of Probiotics. *Adv Ther*, **37**, 1933-1945.

Pergolizzi, J.V., Jr., Christo, P.J., LeQuang, J.A. and Magnusson, P. (2020) The Use of Peripheral mu-Opioid Receptor Antagonists (PAMORA) in the Management of Opioid-Induced Constipation: An Update on Their Efficacy and Safety. *Drug Des Devel Ther*, **14**, 1009-1025.

Pergolizzi, J.V., Jr., Coluzzi F, Colucci RD, Olsson H, LeQuang JA, Al-Saadi J, Magnusson, P. (2020) Statins and muscle pain. *Expert Rev Clin Pharmacol*, **13**, 299-310.

Ossipov, M.H., Raffa, R.B. and **Pergolizzi, J.V.** (2020) Galcanezumab: a humanized monoclonal antibody for the prevention of migraine and cluster headache. *Drugs Today (Barc)*, **56**, 5-19.

Pergolizzi, J.V., Magnusson, P., LeQuang, J.A., Gharibo, C. and Varrassi, G. (2020) The pharmacological management of dental pain. *Expert Opin Pharmacother*, **21**, 591-601.
Pergolizzi, J.V., Jr., et al. (2020) Statins and Neuropathic Pain: A Narrative Review. *Pain Ther*, **9**, 97-111.

Pergolizzi, J.V. and LeQuang, J.A. (2020) Reappraising the use of benzodiazepines in chronic pain patients. *Postgrad Med*, **132**, 10-12.

Pergolizzi, J.V., Jr. and LeQuang, J.A. (2020) Rehabilitation for Low Back Pain: A Narrative Review for Managing Pain and Improving Function in Acute and Chronic Conditions. *Pain Ther*, **9**, 83-96.

Rekatsina, M., Paladini A, Piroli A, Siz P, **Pergolizzi JV**, Varrassi G. (2020) Correction to: Pathophysiologic Approach to Pain Therapy for Complex Pain Entities: A Narrative Review. *Pain Ther*, **9**, 23.

Pergolizzi, J.V., Jr., Raffa, R.B. and Rosenblatt, M.H. (2020) Opioid withdrawal symptoms, a consequence of chronic opioid use and opioid use disorder: Current understanding and approaches to management. *J Clin Pharm Ther*, **45**, 892-903.

Coluzzi, F., **Pergolizzi JV Jr**, Giordan E, Locarini P, Boaro A, Billeci D. (2020) Tapentadol prolonged release for managing moderate to severe chronic neck pain with or without a neuropathic component. *Curr Med Res Opin*, **36**, 651-659.

Rekatsina, M., Paladini A, Piroli A, Zis P, **Pergolizzi JV**, Varrassi G. (2020) Pathophysiologic Approach to Pain Therapy for Complex Pain Entities: A Narrative Review. *Pain Ther*, **9**, 7-21.

Rekatsina, M., Paladini A, Prioli A, Zis P, **Pergolizzi JV**, Varrassi G. (2020) Pathophysiology and Therapeutic Perspectives of Oxidative Stress and Neurodegenerative Diseases: A Narrative Review. *Adv Ther*, **37**, 113-139.

Varrassi, G., **Pergolizzi, J.V.**, Dowling, P. and Paladini, A. (2020) Ibuprofen Safety at the Golden Anniversary: Are all NSAIDs the Same? A Narrative Review. *Adv Ther*, **37**, 61-82.

Pergolizzi JV Jr, Varrassi G, Magnusson P, LeQuang JA, Paladini A, Taylor R, Wollmuth C, Breve F, Christo P. (2020) COVID-19 and NSAIDs: A Narrative Review of Knowns and Unknowns. *Pain Ther*, **9**, 353-358.

Pergolizzi JV Jr. (2020) Exploring the combination of gabapentinoids and opioids for postoperative analgesia. *JAMA Net Open*, **3**(12), e2032139.

Inventions, Patents, Copyrights (selected):

File date - 7/5/09; Provisional Patent No. US60/958,286; Title: Micro-Nano-Static-Activation of natural Konjak (*Amorphophallus Konjac*) root extract: Nutraceuticals, Cosmeceuticals, Cosmetics, Nutritional/Dietary food / fibers, Food additives, Biologics and Botanicals formulated from Micronanoionostatic natural Konjak root extract.

File date - 7/5/10; Provisional Patent No. US60/958,285; Title: Micro-Nano-Static-Activation of Zeolites: Nutraceuticals, Cosmeceuticals, Cosmetics, Nutritional/Dietary supplements, Food additives, Biologics and Botanicals formulated from Micronanoionostatic Pyroclastic Crystalline (clinoptilolite) Materials

File date 7/24/09; Provisional Patent No. US60/961,699; A Method of Motivating an Individual to Stop Smoking and Improve Lifestyle Factors.

File date 09/14/10 Provisional Patent No. US61/382,783; Hyperoxygenated Oil (Triglycerol Oxesters) added to loose and fixed dose topical analgesic combinations enhanced analgesic effectiveness.

File date 09/14/10 Provisional Patent Application No. 61/382,774: Topical Menthol Composition.

File date 11/05/2011 US Patent 61/485019: Novel opioid dosing regimen

File date 06/14/2011 US Patent 61/496647: Novel opioid dosing regimen

Patent USP9421191 Issued Utility patent issued August 23, 2016, with a term until January 4, 2032 to generally cover a stable pharmaceutical composition, e.g., 6 to 24 months of shelf life

Patent US10278959B2. Ready to use ketorolac formulations.

Patent US104456553B2. Device and methods for targeted tissue drug delivery.

Patent US20190365678A1. Method for treating pain.

Extramural Funding:

Current:

79. Title: Use of A Nurse Pain Educator for Chronic Pain.
Funding: Food and Drug Administration
Dates: September 2014-September 2017
Center(s): Multi-center (USA)
Medical Monitor: Joseph V. Pergolizzi Jr., MD
Project Manager: Robert Taylor Jr., PhD
Trial #: NCT03044522

Previous:

78. Title: DuraSeal Exact Spine Sealant System Post-Approval Study.
Funding: Integra LifeSciences
Dates: March 2014-January 2017
Center(s): Multi-center (USA)
Medical Monitor: Joseph V. Pergolizzi Jr., MD
Project Manager: Robert Taylor Jr., PhD
77. Title: A Multicenter Data Collection Analysis to Understand Anticoagulant Treatment Patterns in In-patient Setting for Deep Vein Thrombosis/Venous Thromboembolism/Pulmonary Embolism Patients.
Funding: Daiichi Sankyo
Dates: July 2014-May 2015
Center(s): Multi-center
Medical Monitor: Joseph V. Pergolizzi Jr., MD
Project Manager: Robert Taylor Jr., PhD

76. Title: A Phase 3, Double-Blind, Placebo-Controlled, Multicenter, Randomized Withdrawal Study To Evaluate the Analgesic Efficacy, Safety, and Tolerability of BEMA Buprenorphine in Opioid-Experienced Subjects with Moderate to Severe Chronic Low Back Pain Requiring Around-the-Clock Opioid Analgesia for an Extended Period of Time.
Funding: Endo Pharmaceutical
Dates: August 2012-August 2014
Center(s): Multi-center
PI: Joseph V. Pergolizzi Jr., MD
Study Coordinator: Robert Taylor Jr., PhD
75. Title: A Phase 3, Double-Blind, Placebo-Controlled, Multicenter, Randomized Withdrawal Study To Evaluate the Analgesic Efficacy, Safety, and Tolerability of BEMA Buprenorphine in Opioid-Naïve Subjects with Moderate to Severe Chronic Low Back Pain Requiring Around-the-Clock Opioid Analgesia for an Extended Period of Time.
Funding: Endo Pharmaceutical
Dates: August 2012-August 2014
Center(s): Multi-center
PI: Joseph V. Pergolizzi Jr., MD
Study Coordinator: Robert Taylor Jr., PhD
74. Title: A Phase 3, Multi-center, Randomized, Double-blind, Placebo-Controlled, Safety, Tolerability, and Efficacy Study of Oxycodone DETERx Versus Placebo in Opioid-Experienced and Opioid-Naïve Subjects with Moderate-to-Severe Chronic Low Back Pain
Funding: Collegium Pharmaceutical
Dates: August 2012-August 2014
Center(s): Multi-center
PI: Joseph V. Pergolizzi Jr., MD
Study Coordinator: Robert Taylor Jr., PhD
Trial #: NCT01685684
73. Title: Single Center, open label study to evaluate the FORTESTA as a treatment for the efficacy and safety in patients with opiate induced secondary hypogonadism.
Funding: Endo Pharmaceuticals
Dates: 2012
Center(s): Single Center
PI: Srinivas Nalamachu, MD; Data Analysis: Pergolizzi, J.
Data Coordinator/Medical Writer: Robert Taylor Jr., PhD
72. Title: Evaluating the pharmacokinetic profile of Hydromorphone in chronic pain patients taking Hydrocodone/APAP
Funding: Covidien
Dates: 2012
Center(s): Single Center
PI: Srinivas Nalamachu, MD
Data Analysis: Pergolizzi J Study Coordinator: Robert Taylor Jr., PhD
Trial #: NCT01517295

71. Title: A Non-Interventional, Observational Pilot Study to Determine the Number of Days Patients With Outpatient Surgical Pain Required An Oral Prescription Opioid Analgesic Medication On Each Day (24-h period) After Completion of Surgery Up To Postoperative Day 10.
Funding: Kirax Corporation (Formally Tigris Pharmaceuticals)
Dates: 2011-2012
Center(s): Single Center
Protocol Development: Pergolizzi, J. PI: Stanford Plavin, MD
Clinical Monitor: Robert Taylor Jr., PhD
70. Title: An Observational, Non-Interventional, Multicenter Survey Study Utilizing a Convenience Sample Design to Determine the Postoperative Opioid Analgesic Medication Prescribing Regimen for Acute Pain Management by Orthopedic, Plastic, and Gynecological Surgeons in Patients Undergoing Outpatient Ambulatory Surgical Procedures
Funding: Tigris Pharmaceuticals
Dates: 2012
Center(s): Multi-Center
Protocol Development: Pergolizzi, J. PI: Stanford Plavin, MD
Clinical Monitor: Robert Taylor Jr., PhD
69. Title: A Pilot Double-Blind Crossover Study on the Effects of Soulera™ Herbal Blend Intake on Chronic Stress and its Biomarkers in Healthy Adults
Funding: Lerapharm Inc.
Dates: 2011-2012
Center(s): Single Center
PI: Joseph V. Pergolizzi, Jr. MD
Study Coordinator: Robert Taylor Jr., PhD
Trial #: NCT01299402
68. Title: A Randomized Double Blind Parallel Controlled Trained Assessing the Efficacy and Safety of Manual Lymphatic Interstitial Decongestion Therapy in Women with Fibrocystic Breast Disease.
Funding: Always Healthcare
Dates: 2010-2011 Single-Center
Protocol Design and PI: Pergolizzi J, and Fleischer C.
67. Title: Checklist for Monitored Anesthesia Care: KAP-Convenience Sample Survey of Practicing Anesthetists in the United States.
Funding: Medical Early Adopters
Dates: 2010 Multi-Center
Protocol Design and PI: Pergolizzi, J and Auster, M
66. Title: A Randomized Double Blind Controlled Trial Assessing the Efficacy and Safety of VR3 (Soulera) Supplemental Blend in Healthy Subjects
Funding Agency: LeraPharma
Dates: 2010-2011 Multi-Center
Protocol Design and PI: Pergolizzi, J

65. Title: AXW02- Phase III RCT in Patient with Chronic Low Back Pain: Conservative Therapy vs. DRX9000
Funding Agency: Axiom Worldwide
Dates: 2008-10 Multi-Center
Protocol Design and PI: Pergolizzi J.
64. Title: A Randomized Controlled Trial: Effect of VR3 on Acute and Chronic Stress
Funding: VitaRich Laboratories
Dates: 08-09 Single-Center
PI: Pergolizzi, J.
63. Title: A Multi-Center, a Randomized Controlled Trial: Effect of MNSA Zeolite on Heavy Metals
Funding: CreoMed
Dates: 07-08 Multi-Center
Protocol Design and PI: Pergolizzi, J.
62. Title: Multi-center RCT for combination therapy in the management of Hyper-Acute Back
Funding: NIP
Dates: 07-08 Multi-Center
Protocol Design & PI: Pergolizzi, J
61. Title: A Multi-Center, A Randomized Controlled Trial: Effect of Adjuvant Multimodal MNSA Zeolite in Combination with Varenicline Therapy in Patients Attempting Smoking Cessation:
Funding: CreoMed
Dates: 07-08 Multi-Center
Protocol Design and PI: Pergolizzi, J.
60. Title: MSDR for Back Pain
Funding: MedAppraise
Dates: 07-08
Protocol Design: Pergolizzi, Wang, Richmond, Groteke
59. Title: Urine Drug Testing KAP Survey
Funding: PICM Laboratories
Dates: 07-08 National Survey
Protocol Design and PI: Pergolizzi, J.
58. Title: A Rondonized, Double-Blind, Phase 4 Study to Evaluate the Efficacy and the Safety of Single Dose of Palonosetron 0.025 mg versus Ondansetron to Prevent Nausea and Vomiting Following Elective Surgery in an Older Population
Funding: Eisai/ MGI
Protocol Design and PI: Pergolizzi J, Richmond C.
57. Title: Konjac in Morbidity Obese Patients
Funding Agency: CreoMed
Dates: 06-07
Protocol Design & PI: Pergolizzi, Richmond, Lautenbacher

56. Title: An Extensible and Scalable Clinical Decision Support System
Funding: Proposal submitted in response to DOD SBIR solicitation 2007-2; A07-148
Integrated Clinical Environment Manager
Dates: Pending
Protocol Design: Pergolizzi, Kaizhi
55. Title: AXW01DXR 9000 – LBP
Funding Agency: Axiom Worldwide
Dates: 2006-8 Multi-Center
Protocol Design and Co-PI: Pergolizzi, Richmond, Leslie
54. Title: Project Anti-Bully
Funding: NEMA Research Inc.
Dates: 06-08 Multi-Center
Protocol Design: Pergolizzi, Richmond, Wang
53. Title: A RCT Comparing Pain and ROM Using PECT vs. Sham for Total Joint Procedures.
Funding Agency: Biowave
Dates: 06-07
Study Design Review: Pergolizzi, Wang, Panchal
52. Title: NKT102553 for PONV
Funding Agency: GSK
Dates: 06-07
Protocol Design & PI: Pergolizzi, J
51. Title: CB1 for Oncology Pain
Funding Agency: NEMA-Valeant
Dates: 06-07 Multi-Center
Protocol Design and Co-PI: Pergolizzi, Richmond, Panchal
50. Title: CB1 for Neuropathic Pain
Funding Agency: NEMA-Valeant
Dates: 06-07 Multi-Center
Protocol Design and Co-PI: Pergolizzi, Richmond, Panchal
49. Title: CB1 for MS Pain
Funding Agency: NEMA-Valeant
Dates: 06-07 Multi-Center
Protocol Design and Co-PI: Pergolizzi, Richmond, Panchal
48. Title: Transtec in Server Cancer Induced Pain
Funding Agency: Grunenthal
Dates: 2006-08 Multi-Center European
Protocol Design: Pergolizzi, J
47. Title: NKT 102245 for PONV
Funding Agency: GSK
Dates: 05 Multi-Center

- Protocol Consultant: J. Pergolizzi, MD
46. Title: DXR 9000 – LBP MA
Funding Agency: Axiom Worldwide
Dates: 05
Protocol Design and Co-PI: J Pergolizzi & A Macario
 45. Title: DXR 9000 – LBP RCT
Funding Agency: Axiom Worldwide
Dates: 05 Single-Center
Protocol Design and Co-PI: Pergolizzi, Richmond, Macario
 44. Title: PALO 04-06
Funding Agency: Helsinn/ MGI
Dates: 05-06 Multi-Center
PI: J Pergolizzi, MD
 43. Title: “Lycopenomin Dose Response Curves”
Funding Agency: NanoBy LLC
Dates: 04-05 Multi-Center
Protocol Designer and PI: J Pergolizzi, MD
 42. Title: Prospective Randomized Single-Blinded Controlled Clinical Trial of Percutaneous Neuromodulation Pain Therapy Device versus Sham Percutaneous Neuromodulation Pain Therapy for the Osteoarthritic Knee: A Pilot Study
Funding Agency: Biowave
Dates: 04-05
Study Design Review: Pergolizzi, Wang, Panchal
 41. Title: “Combinational Antiemetic Therapy – Zofran plus TDS”
Funding Agency: Baxter Healthcare
Dates: 2004 Multi-Center
Protocol Consultant & PI: J. Pergolizzi, MD
 40. Title: 401: Combinational Antiemetic Therapy Zofran plus Dexamethasone”
Funding Agency: GlaxoSmithKline
Dates: May 04 – April 05 Multi-Center
Protocol Consultant & PI: J Pergolizzi, MD
 39. Title: NKT 102260
Funding Agency: GSK
Dates: 04-05 Multi-Center
Protocol Consultant and PI: J Pergolizzi, MD
 38. Title “Partial Opioid Agonists for the management of OA Pain”
Funding Agency: Purdue Pharma LLP. #3018
Dates: 2003 – 2005 Multi- Center
Protocol Consultant & PI: Joseph V. Pergolizzi, Jr., MD

37. Title: "A Prospective, Observational Study of the Safety and Efficacy of a Non-Invasive Targeted Electronic Pain Control Device ("Biowave System") in the Treatment of Sports Related Injuries"
Funding Agency: Biowave – New York Giants
Dates: 03-2005 Single Center
Protocol Designer and PI: J Pergolizzi, MD
36. Title: "TDS and Zofran Combinational Therapy for PONV"
Funding Agency: Novartis Consumer Health
Dates: 2002- 2003 Multi-Center
Protocol Lead Developer: Joseph V. Pergolizzi, Jr., MD
35. Title: "High Dose Tigan for PONV"
Funding Agency: King / Monarch Pharmaceuticals
Dates: 2002- 2003 Multi-Center
Protocol Lead Developer: Joseph V. Pergolizzi, Jr., MD
34. Title: "Opioid Sparing Techniques for Shoulder Surgery"
Funding Agency: NEMA / Purdue Pharma LP.
Dates: 2001- 2002 Multi-Center
Protocol Lead Developer: Joseph V. Pergolizzi, Jr., MD
33. Title: "Hirsutism"
Funding agency: Bristol-Myers Squibb
Dates 1997-98 PI: Adrian Dobs, MD
Sub-Investigator: Joseph Pergolizzi, Jr., MD
32. Title: "Hypo-Hypo GH"
Funding agency: Serona
Dates 1997-98 PI: Adrian Dobs, MD
Sub-Investigator: Joseph V. Pergolizzi, Jr., MD
31. Title: Pravastatin Pk & Phase III
Funding Agency: BMS
Dates 1997-98 PI: Adrian Dobs, MD
Sub-Investigator: Joseph V. Pergolizzi, Jr., MD
Total Directs: \$59,000
30. Title: Zocor/ Prempro"
Funding Agency: Merck/ Wyeth-Ayerst
Dates: 1997-98 PI: Adrian Dobs, MD
Sub-Investigator: Joseph V. Pergolizzi, Jr., MD
Total Directs: \$51,000
29. Title: "F7039G – Insulin and rIGF-1 in NIDDM"
Funding Agency: Genetech
Dates: 1997-98 PI: Adrian Dobs, MD
Sub-Investigator: Joseph Pergolizzi, Jr., MD
Total Directs: \$115,000
28. Title: "F7080G – Insulin and rIGF-1 in IDDM"

- Funding Agency: Genetech
Dates: 1997-98 PI: Adrian Dobs, MD
Sub-Investigator: Joseph Pergolizzi, Jr., MD
Total Directs: \$115,000
27. Title: "SDZ-DJN-608 in NIDDM"
Funding Agency: Novartis
Dates: 1997-98 PI: Adrian Dobs, MD
Sub-Investigator: Joseph V. Pergolizzi, Jr., MD
Total Directs: \$200,000
26. Title: "Serum Lipids with Oral Contraceptives"
Funding agency: Ortho McNeil Pharmaceuticals
Dates: 1996-7 PI: Adrian Dobs, M.D., M.H.S.
JHH Coordinator: Joseph V. Pergolizzi, Jr., M.D.
Total directs: \$45,000.
25. Title: "Pharmacokinetics of a Novel Transdermal Testosterone Preparation"
Funding agency: ALZA Pharmaceuticals
Dates: 1996-7 PI: Adrian Dobs, M.D., M.H.S.
JHH Coordinator (1996): Joseph V. Pergolizzi, Jr. M.D.
Total directs: \$27,000.
24. Title: "High Dose Simvastatin in Hyperlipidemia"
Funding agency: Merck, Inc.
Dates: 1996-7 PI: Adrian Dobs, M.D., M.H.S.
JHH Coordinator (1996): Joseph V. Pergolizzi, Jr., M.D.
Total directs: \$45,000.
23. Title: "Ultram for Diabetic Neuropathy"
Funding agency: Ortho McNeil Pharmaceuticals
Dates: 1996-7 PI: David Cornblath, M.D.
JHH Coordinator (1996): Joseph V. Pergolizzi, Jr., M.D.
Total directs: \$50,000.
22. Title: "Study of Angiotensin II Receptor Antagonism in Type 2 Diabetic Nephropathy"
Funding agency: Bristol Meyer Squibb Pharmaceuticals
Dates: 1996-7 PI: Adrian Dobs, M.D., M.H.S.
Sub-Investigator: Joseph V. Pergolizzi, Jr., M.D.
21. Title: "Comparison of the Wearing Acceptability of Two Testosterone Transdermal Systems"
Funding agency: Alza Pharmaceuticals
Dates: 1996-7 PI: Adrian Dobs, M.D., M.H.S.
Sub-Investigator: Joseph V. Pergolizzi, Jr., M.D.
Total directs: \$27, 000.
20. Title: "Effect and Safety of Testosterone Transdermal System men with Sexual Dysfunction"
Funding agency: Smith Kline Beechman Pharmaceuticals

- Dates: 1996-97 PI: Adrian Dobs, M.D., M.H.S.
Sub-Investigator: Joseph V. Pergolizzi, Jr., M.D.
19. Title: " Hypothalamic Pituitary Adrenal Axis Study: Adult Children of Alcoholics Study"
Funding agency: NIH
Dates: 1996 - 97 PI: Gary Wand, M.D.
JHH Coordinator: Joseph V. Pergolizzi, Jr., M.D.
 18. Title: "Effects of Triglitzone in NIDDM Patients"
Funding agency: Park Davis Pharmaceuticals
Dates: 1996- 97 PI: Christopher Saudek, M.D.
Sub-Investigator: Joseph V. Pergolizzi, Jr., M.D.
Total directs: \$27, 000.
 17. Title: "Patient Satisfaction with Residents in an Out-Patient Clinic Setting"
Funding agency: The Johns Hopkins University School of Medicine
Dates: 1996- 97 PI: Patricia Thomas, M.D.
CTU Implementation Consulting: Joseph V. Pergolizzi, Jr., M.D.
 16. Title: "Patient Satisfaction with Residents in a Specialty Out-Patient Clinic"
Funding agency: The Johns Hopkins University School of Medicine
Dates: 1996- 97 PI: John Flynn, M.D.
CTU Implementation Consulting: Joseph Pergolizzi, Jr. M.D.
 15. Title: "X14-Type 1
Funding agency: Novo Nordisc
Dates: 1996- 97 PI: Adrian Dobs, M.D., M.H.S.
Sub-Investigator: Joseph Pergolizzi, Jr. M.D.
Total directs: \$90,000
 14. Title: "X14-Type 2
Funding agency: Novo Nordisc
Dates: 1996- 97 PI: Adrian Dobs, M.D., M.H.S.
Sub-Investigator: Joseph Pergolizzi, Jr. M.D.
Total directs: \$90,000
 13. Title: "Voglibose"
Funding agency: Takeda Americas, Inc.
Dates: 1996- 97 PI: Adrian Dobs, M.D., M.H.S.
Sub-Investigator: Joseph Pergolizzi, Jr. M.D.
Total directs: \$140,000
 12. Title: "Amylin-Pramlintide"
Funding agency: Amylin
Dates: 1996- 97 PI: Adrian Dobs, M.D., M.H.S.
Sub-Investigator: Joseph Pergolizzi, Jr. M.D.
Total directs: \$96,000

11. Title: "Merck 128"
Funding agency: Merck
Dates: 1996- 97 PI: Adrian Dobs, M.D., M.H.S.
Sub-Investigator: Joseph Pergolizzi, Jr. M.D.
Total directs: \$60,000
10. Title: "Acetyl-Lcarnitine therapy in patients with Diabetic Peripheral Neuropathy"
Funding Agency: Roche Pharmaceuticals
Date: 1996 PI: Adrian Dobs, MD
JHH Coordinator: Joseph Pergolizzi, Jr., MD
Total Directs: \$120,000
09. Title: "Lilly-Hypopit"
Funding agency: Lilly-Hypopit
Dates: 1996- 97 PI: Gary Wand, M.D.
JHH Coordinator: Joseph Pergolizzi, Jr. M.D.
Total directs: \$50,000.00
08. Title: "Transdermal testosterone patches in the treatment of hypogonadal men."
Funding Agency: Theratech Pharmaceuticals
Date: 1996 PI: Adrian Dobs, MD
JHH Coordinator: Joseph Pergolizzi, Jr., MD
Total directs: \$800,000
07. Title: "Testosterone in the Treatment of Wasting in HIV Infection"
Funding agency: Alza Pharmaceuticals
Dates: 1995-7 PI: Adrian Dobs, M.D., M.H.S.
Coordinator: 1996 - Joseph V. Pergolizzi, Jr., M.D.
Total directs: \$50, 000.
06. Title: "Nephropathy of Type 1 diabetics"
Funding agency: Alteon Pharmaceutics
Dates: 1995-7 PI: Christopher Saudek, M.D.
JHH Coordinator: Joseph V. Pergolizzi, Jr., M.D
05. Title: "Long-Term Tolrestat for Diabetic Peripheral Sensorimotor Neuropathy"
Funding agency: Wyeth Ayerst Laboratories
Dates: 1995-7 PI: Christopher Saudek, M.D.
JHH Coordinator (1996): Joseph V. Pergolizzi, Jr. M.D.
04. Title: "Efficacy Study of Ibandronate in Patients with Osteoporosis"
Funding agency: Boehringer Mannheim Pharmaceuticals
Dates: 1995-7 PI: Michael Levine, M.D.
JHH Coordinator (1996): Joseph V. Pergolizzi, Jr., M.D.
03. Title: "Prednisone and Methotrexate for Giant Cell Arteritis (The GCA Study)"
Funding agency: The Cleveland Clinic Foundation
Dates: 1995-7 PI: David Hellmann, M.D.
JHH Coordinator (1996): Joseph V. Pergolizzi, Jr., M.D.

02. Title: "Miglitol in African-American Diabetics"
 Funding agency: Miles - Bayer Pharmaceuticals
 Dates: 1994-7 PI: Adrian Dobs, M.D., M.H.S.
 JHH Coordinator (1996): Joseph V. Pergolizzi, Jr. M.D.
 Total directs: \$100,000.
01. Title: "A Phase III Study of Intermittent Cyclical Tiludronate in the Treatment of Established Post-Menopausal Osteoporosis"
 Funding agency: Sterling Winthrop Pharmaceuticals
 Dates: 1992-7 PI: Michael Levine, M.D.
 JHH Coordinator (1996): Joseph V. Pergolizzi, Jr. M.D.

Research Program Building / Leadership:

- 4/1997-2000 Partners in Development
 Johns Hopkins Members: Dobs, A. and Pergolizzi, J.
 Sponsor: SmithKline Beecham Pharmaceuticals
 Department of Medicine
 Johns Hopkins University School of Medicine
 Baltimore, MD
- 12/00-2004 Director of Research
 International Pain Research and Treatment Foundation
 Lutz, FL
- 2004-Present NEMA Research Inc.
 Director, Clinical Research Fellowship
 Naples, FL

Institutional Review Board (IRB)/ Ethics Committee Experience:

- 12/2007-Present Co-Chairman, IRB
 NEMA Research Inc.
 Brooklyn, N.Y.

Data Safety Monitoring Boards (DSMB):

- 2012-2013 Trial sponsor: Acacia Pharma Ltd: IND No 112407; Study Number: DP10015Randomized, double-blind, placebo-controlled Phase III study of APD421 (amisulpride for IV injection) as prophylaxis against post-operative nausea and vomiting: Charter Member
- 2012-2015 Trial sponsor: GE Healthcare; Trial name: 123.01-2013-GES-0001-ACS1101: Single site, randomized, controlled, feasibility study with and without Smartflow for routine anesthesia (Smartflow Feasibility) (GEHC): Charter Member
- 2016-Present Trial sponsor: Acacia Pharma Ltd: IND No 112407; Study Number: 108 DP5Randomized, double-blind, placebo-controlled Phase III study of APD421 (amisulpride for IV injection) as prophylaxis against post-

operative nausea and vomiting: Charter Member

2017-Present

Trial sponsor: GE Healthcare; Trial name: Multi-site Anesthesia randomized controlled Study of End tidal control (Et Control) compared to conventional anesthesia Results (MASTER-Anesthesia Trial) (STUDY NO.123.07-2015-GES-0: Charter Member

JHMI Training:

2013-2017

Audio Lecture: Informed Consent: What Contributes to a Good Process
 Conflict of Interest and Commitment
 Electronic Information Security and Data Management Training - 2017
 Ethical Oversight of hSC Research 2010
 Human Research Protection Program - RECERTIFICATION TOOL
 Patient Privacy for Workforce Members - 2017
 Preparing for an Active Shooter in the Clinical and Non-clinical Environment
 Privacy Refresher Course for Health Care Providers (Clinicians and Non-Clinicians)
 Refresher Course GCP: GCP Introduction (CITI)
 Refresher Course GCP: Overview of New Drug Development (CITI)
 Refresher Course: An Overview of Research with Vulnerable Subjects (CITI)
 Refresher Course: FDA Regulated Research and Conference on Harmonization (CITI)
 Refresher Course: Genetics Research (CITI)
 Refresher Course: Pregnant Women and Fetuses (CITI)
 Refresher Course: Records Based Research (CITI)
 Refresher Course: Research with Vulnerable Populations – Prisoners (CITI)
 Responsible Conduct of Research (CITI)

EDUCATIONAL ACTVITES

Education Publications

Book Chapters:

Pergolizzi, J. Integrity in Clinical Research, working with a pharmaceutical company- Planning and Recruiting: The Clinical Research Survival Guide; Niebaur J, Maxwell A, McNally P, Weijer C, Moyle G, Easterbrook P, Thornton J, Rowland D and Laloo D. 2002 Chapter 7:121. Remedica Publishing Ltd., <http://www.Remedica.com> London, U.K.

Pergolizzi, J. Tribomechanically Activated Zeolites (TMAZ): AOX-2's, the second-generation of antioxidant therapies. In Colloidal Minerals and Trace Elements: How to Restore the Body's Natural Vitality Ed2. Muller, MF. Healing Arts Pres One Park Street, Rochester, Vermont 2005, Chapter 16 pp189-195. French and English Versions.

Pergolizzi, J. Multimodal Analgesic Therapy: Postoperative Pain Management: An Evidence-Based Guide to Practice; Shorten G, Carr D, Harmon D, Puig M and Browne 2006 Chapter 19: 182-196. Saunders Elsevier; 1600 JFK Blvd, Ste 1800, Philadelphia, PA 19103- 2899.

Pergolizzi, J., et al. Toward a multidisciplinary team approach in chronic pain management. Pocket book series –Sponsored by EFIC 2010.

Pergolizzi, J and Tabor, A. Complementary Therapies in Comprehensive Pain Medicine and Interventional Pain Management Board Review 2011; Manchikanti L, Christo P, Trescot A, and Falco F.

Taylor, R. Jr., **Pergolizzi, J.V. Jr.**, Raffa, R.B. and Muniz, E.: Opioids: pharmacology, clinical uses and adverse effects. *In* D. Tvildiani and K. Gegechkori (eds.) Opioids: Pharmacology, Clinical Uses and Adverse Effects. Nova, Hauppauge NY, 2012.

Pergolizzi, J.V. Jr., Raffa, R.B. and Taylor, R. Jr.: Morphine: chemistry, pharmacology and clinical aspects. *In* L.V. Berhardt (ed.) *Advances in Medicine and Biology*, Vol. 45. Nova, Hauppauge NY, 2012.

Taylor, R. Jr., **Pergolizzi, J.V. Jr.** and Raffa, R.B.: Acetaminophen (paracetamol): properties, clinical uses, and adverse effects. *In* A. Javaherian and P. Latifpour (eds.) *Acetaminophen: Properties, Clinical Uses and Adverse Effects*. Nova, Hauppauge NY, 2012.

Raffa RB; Langford R; **Pergolizzi JV**, Porreca F, and Tallarida RJ. Chemotherapy-Induced Neuropathic Pain. July 24, 2012 by CRC Press - 233 Pages

Pergolizzi J and Raffa RB. Common Opioid-Drug Interactions: What Clinicians Need to Know. September 2012 by Practical Pain Management- 54 Pages.

Robert Taylor Jr., PhD, Robert B. Raffa, PhD, & **Joseph V. Pergolizzi Jr., MD**. Handbook of Methadone Prescribing and Buprenorphine Therapy Cruciani, Ricardo A.; Knotkova, Helena (Eds.) ISBN 978-1-4614-6973-5 Springer May 2013. Chapter 13: Buprenorphine metabolism and drug-drug interactions

Pergolizzi, J. Chapter 18 Opioid-Induced Adverse Events and Toxicity in Kratomand Other Mitragynines: The Chemistry and Pharmacology of Opioids from a Non-Opium Source edited by Robert B. Raffa, CRC Press 2014. Print ISBN: 978-1-4822-2518-1; eBook: 978-1-4822-2519-8.

Pergolizzi JV, Raffa RB, and Taylor R. Case Study: The Butrans Patch. Pain Therapeutics Current and Future Treatment Paradigms. Chapter 13. 2014, 368-385. DOI: 10.1039/9781849727715-00368

Pergolizzi, J., et al. Chapter 2: Perioperative assessment and intraoperative anaesthesia care for mini-invasive laparoscopic surgery in. Functional Urologic Surgery in Neurogenic and Oncologic Disease: Role of Advanced Minimally Invasive Surgery. Carbone, Palleschi, Pasture, Messus. ISBN9783319291918 Springer Press. 2016.

Pergolizzi, J., et al. Chapter 8: Adjuvant agents in chronic pain therapy in Controlled Substance Management in Chronic Pain: A Balanced Approach. Staats and Silverman. ISBN 9783319309620 Spring 2016.

Magnusson P, Pergolizzi JV Jr, LeQuang JA. Leadless Pacemakers. Cardiovascular Devices. Intech publishers. In press.

Magnusson P, Pergolizzi JV Jr, LeQuang JA. The subcutaneous implantable cardioverter-defibrillator. Cardiovascular Devices. Intech publishers. In press.

Magnusson P, Samuelsson M, Pergolizzi JV Jr., Annabi H, LeQuang JA. Atrial fibrillation and the role of thumb ECGs. Cardiovascular Devices. Intech publishers. In press.

Pergolizzi J, LeQuang JA, Coluzzi F, Mariano D, Nicolau A, Gharibo C. Opioid therapy: managing risks of abuse, addiction, and diversion. Oxford Textbook of Palliative Medicine.

White Papers:

McLeskey CH, **Pergolizzi, JV**, Raffa RB. An Overview of the Concept of Using a Combination of Ondansetron (4 mg iv) and Transdermal Scopolamine (1.5 mg) for Prophylaxis of Postoperative Nausea and Vomiting in Adolescent Patients.

Pergolizzi JV, Walter SF, and Raffa RB. Continuous Infusion of an NSAID versus Bolus Intravenous Injection of an NSAID for Postoperative Pain Management.

Pergolizzi JV, Kim YD, Walter SF, and Taylor R. Targeted Tissue Antiarrhythmic Drug Delivery and Low Energy Cardioversion: An Approach to Combat Postoperative Atrial Fibrillation.

Pergolizzi JV and Johnson, SJ. Clinical and Practical Considerations on the Use of Ultraviolet Phototherapy for the Treatment of Skin Disorders.

Pergolizzi JV, Zamfirova V, Yardley C, Takagi H, and McLeskey C. Intensive Care Unit Sedation with Volatile Anesthetics: An Overview

Pergolizzi JV, Florio F, and McLeskeyC. Effects of Carbon Monoxide Exposure, Including Low-Level Exposure, in Pediatric Patients and Juvenile Animals.

Pergolizzi J, Johnson S, and Taylor R. Advances in the treatment of topical dermatological disorders: UVA and UVB therapy today and tomorrow. Psoria Shield Inc.

Pergolizzi J. Fentanyl N-oxide/ WWP

Pergolizzi J. Assessment of *Aspergillus sydowii* contamination of Naloxone HCl Nasal Spray, LW

Pergolizzi J. Dosing Considerations for Succinylcholine Chloride Injection. WWP

Pergolizzi J. The Urgent and Unmet Medical Need for Agitation Treatments: Background and Recommendations. MonoSol RX

Pergolizzi J. A Qualitative Systematic Review of Iron Supplement Therapy in CKD 3-5 Patients: Examining The Emerging Role of Ferric Citrate, A Phosphorous-Binding Agent for the Management of Iron Deficient Anemia (IDA). DSI

Pergolizzi, J. Establishing treatment pathways, decision points, and decision criteria for intravenous interventions in gastrointestinal patients with iron deficient anemia. AR

Pergolizzi J. Establishing Edoxaban in the prevention and treatment of deep vein thrombosis/ pulmonary embolism for both ambulatory and in-hospital patients in the United States. DSI

Pergolizzi J., Nalamachu, S., and Fudin, J. Once -daily low dose meloxicam for the management of osteoarthritis pain.

Editorials:

Pergolizzi, J. Clinical research is essential for medical progress. Clinical Researcher. 2000: Launch. 5.

Pergolizzi, J. The Modern Clinical Investigator. Clinical Researcher. 2001: 1:1:5.

Pergolizzi, J. The changing role of the modern coordinator. Clinical Researcher. 2001:1:2:4-5.

Pergolizzi, J. IRB Accreditation: A conformity assessment. Clinical Researcher. 2001:1:3:4-5.

Pergolizzi, J. The Information Web – Surfers Beware. Clinical Researcher. 2001:1:5:4-5.

Pergolizzi, J. Peripheral Learning: Pearls of wisdom. Clinical Researcher. 2001:1:6:4-5.

Pergolizzi, J. Clinical Trials on the street. Clinical Researcher. 2001:1:7:4-5.

Pergolizzi, J. Evidence-based regulation? Clinical Research and Clinical Practice. Clinical Researcher. 2001:1:8:4-5.

Pergolizzi, J. Opportunities. Clinical Researcher. 2001:1:9:4-5.

Pergolizzi, J. A salute to all volunteers. Clinical Researcher. 2001:1:10:4-5.

Pergolizzi, J. Diversity brings depth. Clinical Researcher. 2001:1:11:4-5.

Pergolizzi, J. Chasing the bid. Clinical Researcher: 2001:1:12:4-5.

Pergolizzi, J. The study monitor: Cooperative troubleshooter. Clinical Researcher: 2002:2:1:4-5.

Pergolizzi, J. Standing Out from the Crowd. Clinical Researcher: 2002:2:2:4-5.

Pergolizzi, J. Publish or Perish: Whose right is it? Clinical Researcher: 2002:2:3:4-5.

Pergolizzi, J. Addressing the learning curve. Clinical Researcher: 2002:2:4:4-5.

Pergolizzi, J. In The Public Eye. Clinical Researcher: 2002:2:5:4-5.

Pergolizzi, J. Update U.S. Clinical Researcher: 2002:2:6:4-5.

Pergolizzi, J. Pipelines: Strength in Depth. Clinical Researcher: 2002:2:7:4-5.

Pergolizzi, J. Networking: Getting and Staying Connected. Clinical Researcher: 2002:2:9:4-5.

Pergolizzi, J. Early Termination: Conflicts and Concerns. Clinical Researcher: 2002:2:12:4-5.

Pergolizzi, J. A taste of things to come. Clinical Researcher 2003:3:1:4-5.

Pergolizzi, J. Mobile Research. Clinical Researcher: 2003:3:2:4-5.

Pergolizzi, J. The Bioterrorism Act: Necessary Risk. Clinical Researcher: 2003:3:3:4-5.

Pergolizzi, J. The impact of HIPPA on US biomedical research. Clinical Researcher: 2003:3:5:-4-5.

Pergolizzi, J. Skin in the game. Clinical Researcher 2003:3:6:4-5.

Pergolizzi, J. Ownership, access, and publication: Take two. Clinical Researcher: 2003:3:10:4-5.

Pergolizzi, J. To Test or Not to Test: Clinical Trials in Pediatrics. Clinical Researcher: 2003:3:11:4-5.

Pergolizzi, J. Tightening Up the Nutraceuticals Market: The Need for Competent and Reliable Scientific Evidence. Clinical Researcher: 2004:4:2:4-5.

Pergolizzi, J. Improper informed consent practices in India: A wake-up call to rethink the process. Clinical Researcher: 2005:5:1:4-5.

Pergolizzi, J. New rules for scientific experts with industry ties. Clinical Researcher: 2005:5:2:4-5.

Pergolizzi, J. Preliminary Observations of a Novel Topical Oil with Analgesic Properties for Treatment of Acute and Chronic Pain Syndromes: Exclusive Author Commentary. MDLinx 03/10/10 <http://www.mdlinx.com/painlinx/news-article.cfm/3070851>

Pergolizzi, J. Current Knowledge of Buprenorphine and Its Unique Pharmacological Profile: Exclusive Author Commentary. MDLinx 05/20/10 http://www.mdlinx.com/PainLinx/news-article.cfm/3159236/ZZ3493316520448468320080/?news_id=1325&subspec_id=889

Teaching:

Classroom/ Clinical Instruction:

2004-2007	Course:	Basic Ambulatory Medicine Clerkship/Small group sessions
	Title:	“Evidence Based Approach to Pain Management”
	Role:	Faculty Member – Department of Medicine:
	Director:	Pat Thomas, M.D.
	Location:	The Johns University School of Medicine Baltimore, MD

CME instruction/ Workshop / Seminars (selected)

11/21/97	Program: Course Role: Location:	Initiating and Organizing Clinical Research Title: Creating a Thorough Budget Faculty The Johns Hopkins University School of Medicine Baltimore, MD
12/3-4/98	Program: Course: Role: Location:	Clinical Research: Improving the Process New Regulations on Medicaid Reimbursement for Clinical Trials Faculty The Johns Hopkins University School of Medicine Baltimore, MD
12/23/99	Program: Course: Role: Location:	Clinical Trials and Tribulations in the Year 2000 and Beyond Budgets: Industry vs. the Investigator Faculty The Johns Hopkins University School of Medicine Baltimore, MD
06/11/08	Program: Course: Role: Location:	Treatment Guidelines and Practical Relevance From Pain to Function: Management of Rheumatic Painful Syndromes - Multimodal Analgesia in Fibromyalgia, Low Back Pain and Osteoarthritis. Faculty- Serge Perrot, Robert Raffa, Michael Spaeth, Joseph Pergolizzi EULAR 2008 Pairs, France
11/04/08	Program: Course: Role: Location:	Treatment Guidelines and Practical Relevance Practical, Patient-Focused Preventive Strategies for the Improvement of Perioperative Outcomes Faculty- Alexander Sinclair, Joseph Pergolizzi ASPSN 2008 Chicago, IL
04/16/10	Program: Course: Role: Location:	60 th Annual Postgraduate Symposium on Anesthesiology Pain Treatment in the Elderly Faculty Kansas City, Kansas
04/16/10	Program: Course: Role: Location:	60 th Annual Postgraduate Symposium on Anesthesiology Update on PONV Faculty Kansas City, Kansas
05/25/10	Program:	VIII Congress de la Sociedad Espanola del Dolor IX Reunion Iberoamericana Congress

	Course:	In Search of the Ideal Analgesic
	Role:	Faculty
	Location:	Madrid, Spain
05/25/10	Program:	VIII Congress de la Sociedad Espanola del Dolor IX Reunion Iberoamericana Congress
	Course:	Defining the Viscous Circle of Pain
	Role:	Faculty
	Location:	Madrid, Spain
09/09/10	Program:	PAINWEEK
	Course:	Emerging Analgesic Clinical Trial Designs
	Role:	Chairman
	Faculty:	Shapiro, D; Gould E; Stauffer J; Raffa R
	Location:	Red Rock Convention Center Las Vegas, NV
09/11/10	Program:	PAINWEEK
	Course:	Scientific Poster Lecture Series
	Role:	Chairman
	Location:	Red Rock Convention Center Las Vegas, NV
10/09/10	Program:	California Association of Physician Assistants
	Course:	Pathophysiology of Pain: Mechanisms and Manifestations
	Role:	Faculty
	Location:	Palm Springs Convention Center Palm Springs, CA
10/29/10	Program:	Cancer Survivor Care: a Pharmacological Perspective — pain, depression, memory.
	Course:	Treatment of Chemotherapy Induced Neuropathy
	Role:	Faculty, Key Note
	Location:	Forget Me Not Foundation Fox Chase Cancer Convention Center Philadelphia, PA
11/19/10	Program:	Complications Linked to Pain Management Therapy
	Course:	Complications of NOT treating persistent pain: primum non nocere, really?
	Role:	Faculty, Key Note
	Location:	Swiss Society of Interventional Pain Management Montreux, Switzerland
03/24/11	Program:	Long Term Care Medicine
	Course:	An Advance in Multimodal Analgesic Therapy
	Role:	Faculty
	Location:	AMDA LTC Medicine Annual Meeting Tampa, FL

06/02/11	Program: Course: Role: Location:	American Academy of Physician Assistants Understanding the Many Faces of Postherpetic Neuralgia Pain” Faculty Las Vegas, NV
09/07/12	Program Course: Role: Location:	PAINWeek 2012 Advances in Analgesic Trials Chairman Las Vegas, NV
09/08/12	Program Course: Role: Location:	Mexican Society of Palliative Care From Symptom Management to Mechanistic Control of Pain Faculty Mexico City, Mexico
04/13/13	Program: Course: Role: Location:	American Society of Addition Medicine (ASAM) Pain & Addiction Common Threads XV: The Agony and the Partial Agonist. Faculty Orlando, FL
04/27/13	Program: Course: Role: Location:	Latin America 3rd Encuentro Latinoamericano de Medicina General Optimizing Pain Management: The of Multi-mechanistic and Multidisciplinary Approaches Faculty Cancun, Mexico
06/07/13	Program: Course: Role: Location:	Malaysia Pain Society A Multimodal Approach in Pain Management Faculty Le Meridian Hotel, Kuala Lumpur, Malaysia
06/09/13	Program: Course: Role: Location:	Indonesian Pain Society Updates on cancer pain management Faculty Jakarta, Indonesia
10/18/13	Program: Course: Faculty: Role:	INVIMA Advisory Committee Bogota Abuse Deterrent Formulations – Government Mesa de Trabajo sorbe el Abuso de Medicamentos de Prescripcion Opioid Abuse and Misuse: Scope and Breadth of the Problem <u>Advisory Committee of Invima</u> : Jorge Olarte Nacional University; Jesualdo Fuentes MD Antioquia University; Olga Buritica MD; Caldas University; Jose Martinez Nacional University; Mario Guerrero MD Nacional University; Fabio Aristizabal Nacional University; Lucia Arteaga Nacional University; Claudia Niño Coordinator Advisory Committee of Invima <u>Subject Expert</u> : Pergolizzi, J

	Location:	<u>Location:</u> Bogota, Colombia
11/01/13	Program:	Congreso Annual de la Asociacion Mexicana para el Estudio y Tratamiento de Dolor
	Course:	Seeking an Exceptional Analgesic Profile When Managing Moderate to Severe Chronic Pain.
	Role:	Key Note
	Location:	Puebla, Mexico
11/02/13	Program:	Silicon Valley Technology Innovation and Enterprise Forum (SVIEF)
	Course:	Current & Future Trend of Healthcare Information Technology: How the Daily Patient Care is Being Affected by New Technologies
	Role:	Faculty
	Location:	Santa Clara, CA
04/21/14	Program:	The Centers for Medicare and Medicaid Services (CMS or “the Agency”)
	Course:	Opioid Overdose: CMS’s Medicare Drug Benefit Group and C&D Data Group Update
	Role:	Faculty
	Location:	Washington, DC
07/25/14	Program:	Congreso Internacional de Reumatología del Pacifico
	Course:	Overcoming Challenges in Pain Management: Peripheral and Central Mechanism of Analgesic, Anti-Arthritic Therapies
	Role:	Faculty
	Location:	Quito, Ecuador
11/04/14	Program:	IPADE Business School: Innovation Conference
	Course:	Soloro: Understanding our Disruptive Innovation
	Role:	Faculty
	Location:	Mexico City, Mexico
11/22/14	Program:	International Scientific Meeting in Anesthesiology (ISMA 2014)
	Chairman:	Dr. Doris Leung, MD
	Course:	Opioid Treatment Options for the Continuum of Care in Cancer Pain Management
	Role:	Faculty
	Location:	Hong Kong Convention and Exhibition Center, Hong Kong
04/27/15	Program:	2015 ASIPP Annual meeting in conjunction with the Florida Society of interventional pain physicians
	Course:	Abuse Deterrent Technologies: Facts and Fallacies
	Title:	Faculty
	Location:	Orlando, FL
09/06/15	Program:	PAINWeek
	Course:	Clinical Trial Science Symposium

Role: Chairman, Faculty
 Location: Las Vegas, NV

09/07/16 Program: PAINWeek
 Course: Clinical Trial Science Symposium
 Role: Chairman, Faculty
 Location: Las Vegas, NV

Educational Program Building

- 2002-2003 Title: "Patient Satisfaction: Synergies between Managing Pain and Postoperative Nausea and Vomiting"
 Role: Content Developer
 Course: National CME Series designed for the Postgraduate Institute of Medicine, 300 programs delivered nationally
- 2003-2004 Title: "Clinical Issues for OG/GYN's in the Management of Nausea and Vomiting"
 Role: Content Developer
 Course: National CME Series designed for the Academy of Healthcare Education, 200 programs delivered nationally
- 2003- 2005 Board of Directors and Treasurer
COALITION FOR PAIN EDUCATION (COPE)
 COPE is a 501(c) (3) nonprofit organization with *over 1000 members*. COPE was developed to meet the educational needs of physicians and other healthcare professionals on appropriately assessing and managing pain using current and emerging treatment options. PO Box 20468, Greeley Square Station New York, NY 10001-0008
- 2008-Present Chairman, Scientific and Research Committee: Poster and Abstract Session PAINWeek
 PAINWeek is a multidisciplinary international medical conference focused on Pain Medicine that convenes annually with over 2500 medical professional in attendance. It is sponsored by the American Society of Pain Educators.
- 2009-Present Facilitator and U.S. Board Member International Session
CHANGE PAIN- CHRONIC PAIN
 Change Pain is a multidisciplinary international medical consortium focused on Chronic Pain Medicine that convenes tri-annually and is composed of globally recognized experts in pain medicine with a focus on changing chronic patient outcomes thru improved education.
- 2010-Present U.S. National Faculty
Pathophysiology of Pain: Mechanism and Manifestations

Educational lecture series focused on providing information about normal pain mechanisms and how these mechanisms are sometimes distorted in maladaptive, chronic pain.

- 2010-2013 Chairman and Faculty Member
Association of Chronic Pain Patients Principal Investigator Certification Course focuses on improving the basic understanding of individuals conducting clinical research with an emphasis on analgesic trials and elderly patient populations.
- 2011-2013 Webmed Central - <http://www.webmedcentral.com/>
 A Webmed Central Lead Faculty/ Faculty are a recognized expert in their field nationally/ internationally. They have an insight into biomedical publishing and authored at least five articles. They typically are involved with major institutes and active in academic circles. They understand our platform and work with Webmed Central Advisory Board and management on scientific matters. All faculty work in close collaboration with each other to achieve best results.
- 2012- 2013 Mitigating the Risks of Addiction, Abuse, and Diversion: Undergraduate Pain Management Curricula
 74th Annual Meeting - College on Problems of Drug Dependence - June 9-14, 2012. La Quinta Resort and Club, Palm Springs, CA
Faculty: Patricia Morley-Forster, MD¹, **Joseph Pergolizzi, MD**, and Edward Sellers, MD.
- 2013-2014 INSIDE Chronic Pain Management CME Initiative
<http://remsqi.imedicaldecisions.com/default.aspx>
 ER/LA Opioid REMS National CME Program
Faculty: **Joseph Pergolizzi, MD**; Sri Nalamachu, MD; Bill McCardle, MD; Jeff Gudin, MD.
Location: Philadelphia, PA
- 2012-2014 Analgesic Clinical Trials CME: PAINWeek, – Society of Pain Educators
Chairmen: **Joseph Pergolizzi, MD** and Sri Nalamachu, MD
Faculty: Robert Raffa, PhD; Robert Taylor, PhD; Rami Ben-Joseph, PhD; Errol Gould, PhD; Ernest Kopecky, PhD; Frank Breve, Pharm D.
Location: Las Vegas, NV
- 2014 Controlled Drug Forum: Taiwan FDA & Taiwan CDD:
 National Taiwan University Hospital International Convention Center
Joseph Pergolizzi, MD: *Clinical efficacy and experience of buprenorphine transdermal patch in US*
Chairman: Dr. Shioh-Ing Wu Food and Drug Administration (TFDA)
Faculty: Mrs. Wei Ping Gu; Dr. Willem Karel Scholten; Dr. Shung-Tai Ho; **Dr. Joseph Pergolizzi**; Dr. Kevin Smith; Dr. James P. Leighton Scott; Dr. Jack E. Henningfield; Dr. Yu-Chuan Tsai Taiwan Pain Society; Dr. Shioh-Ing Wu; Dr. Jih-Heng Li; Dr. Wen-Zen Sun National; Dr. Chih-Jen Hung; Dr. Jih-Heng.
Location: Taipei, Taiwan September 26, 2014

- 2014-Present PAIN CLINICAL TRIALS
Joseph Pergolizzi, MD: Building a better analgesic research team.
Chairman: Pergolizzi, J.
Faculty: **Pergolizzi, J;** Raffa, R, Taylor, R, Gould E and Nalamachu, S.
Location: Annual Meeting in Las Vegas, NV
- 2013-Present Facilitator and U.S. Board Member International Session
CHANGE PAIN- ACUTE PAIN
Change Pain is a multidisciplinary international medical consortium focused on Acute Pain Medicine that convenes tri-annually and is composed of globally recognized experts in pain medicine with a focus on changing chronic patient outcomes thru improved education.
- 2015-2016 ACSE Workshop for Journal Editors on Journal Policies and Publication Ethics
Pergolizzi, J. Faculty member
Location: WEBEX

CLINICAL ACTIVITIES:

Certification

Medical Licensure
Florida License#ME80271

E.C.F.M.G Certification
Certified in June 1996

Human Participant Protections Education for Research Teams
Certification National Cancer Institute (NCI) / NIH

The American Chemical Society Certificate
St. John's University - Jamaica, New York
Examination date 4/89

Clinical Program Building and Grant Review Committees:

- 2006- 2008 Co-Founder & Co-Chairman
NATIONAL INSITUTE OF PAIN (NIP)
4911 Van Dyke Road. Lutz, FL 33558 USA
The National Institute of Pain, a not-for-profit foundation dedicated to the relief of human suffering by providing advanced pain therapies and also contributing to our scientific knowledge through research.
- 2002-Present Founder
CLINICAL RESEARCHER AWARD
Graduate Training Program in Clinical Investigation
Johns Hopkins Asthma & Allergy Center
5501 Hopkins Bayview Circle
Baltimore, MD 21224-6801

- 2009-2010 Johns Hopkins in Naples- Local facilitator
INSIGHTS FROM LEADING PHYSICIANS
Advances in Care of Digestive Disease and Cancer Prevention
Department of Medicine
1830 East Monument Street, 9th Floor
Baltimore, MD 21287
- 2010- Present Food and Drug Administration (FDA)
Faculty
Opioids Patient Provider Document
Silver Springs, MD
Project Lead: Bakayoko S., Ghods M., and Slavin D.
- 2011-2015 The Netherlands Organization for Health Research and Development
(ZonMw).
Priority Medicines for the Elderly Programme
Research project entitled: “*Better pain management in vulnerable
elderly.*”
External Referee
Project Lead: Dr. Harald Moonen
- 2012-215 National Institutes of Health (NIH)
Centre of Pain Excellence (COPE)
National Pain Education Initiative
Ad-Hoc Consultant
Project Lead: David Thomas, (NIH/NIDA)
- 2013-215 Government of Scotland
Health Services and Population Health Research Committee
The Chief Scientist Office Project Grant Scheme
Research project entitled: “Use and misuse of opioid prescribing across
Scotland – rates, quality, variations and explanations”.
External Referee
Project Lead: Dr. Peter Craig
Chief Scientist Office
St Andrews House
Edinburgh
ED1 3DG
- 2014-Present United States Veteran’s Administration HSR&D
Scientific Merit Review-August 2014 2014/10 HSR5 R - HSR&D
Scientific Merit Review - HSR5
Reviewer Pain Management
Chairperson: Dr. Julie Lowery
Ranjana Banerjea, MBA, PhD
Scientific Program Manager
Health Services Research & Development Service (10P9H)
Department of Veterans Affairs
810 Vermont Ave. NW

Washington DC 20420

- 2014-2015 NIH/NIDA RFA DA14-013 “Abuse-Resistant and Abuse-Deterrent Formulations and Devices to Avoid the Abuse, Misuse and Diversion of Prescription Opioids by Patients (SBIR) (R43/R44)”
Reviewer
Scientific Review Officer: Gerald McLaughlin, Ph.D.,
NIDA, Office of Extramural Affairs (OEA)
Office of Extramural Affairs
National Institute on Drug Abuse, NIH
6001 Executive Blvd., Rm. 4241, MSC 9550
Bethesda, MD 20892-9550
- 2015 Community Based Pain Management for the Elderly
Yorkshire Cancer Research
Reviewer
Jacob Smith House, 7 Grove Park Court, Harrogate HG1 4DP UK
- 2015 Pain Phenotyping
Deutsche Forschungsgemeinschaft (DFG)
Reviewer
Kennedyallee 40
53175 Bonn, DE

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments:

Johns Hopkins University School of Medicine
Department of Medicine
1830 E. Monument Street
Baltimore, MD 21205

- 4/96 - 6/96 Coordinator, Clinical Studies Unit Department of Medicine
Division of Endocrinology and Metabolism,
The Johns Hopkins University School of Medicine
- 6/96 - 9/96 Administrative Coordinator, Clinical Studies Unit
Department of Medicine,
Division of Endocrinology and Metabolism,
The Johns Hopkins University School of Medicine
- 9/96 - 1/97 Director of Business Development
The Clinical Research Unit, Department of Medicine,
Division of Endocrinology and Metabolism,
The Johns Hopkins University School of Medicine
- 1/97 – 1/98 Director of Business Development and
Financial Affairs, The Clinical Research Unit,
Department of Medicine,

- The Johns Hopkins University School of Medicine
- 1/97 –8/00 Director of Business Development and
Financial Affairs, the Clinical Trials Unit,
The Johns Hopkins University School of Medicine
- 4/06–7/18 **Part Time Adjunct Assistance Professor**
Department of Medicine
The Johns Hopkins University School of Medicine
- 1/16–7/18 Professor Myron Weisfeldt, M.D.
Assist and Support Venture Philanthropy Efforts in Naples, FL
The Johns Hopkins University School of Medicine

Georgetown University Medical Center
3800 Reservoir Road, N.W. Washington, D.C.

- 7/99-7/00 Graduate Medical Education Committee
7/99-7/00 House Staff Liaison Committee
7/99-7/00 Executive Staff Committee
7/99-7/00 Committee on Medical (student) Education (COME)
7/99-7/00 Committee on Student Appeals
7/99-7/00 JACHO Institutional Review Committee
7/99-7/00 Pharmacy and Therapeutics Committee
7/99-7/00 Chief Residents Council - President
1/05-2/10 South West Florida Alumni Club- Co-Founder/ President
1/06-1/13 Georgetown University Alumni– Regional Delegate
1/06- 1/13 Alumni Admissions Committee - Interviewer
2/10-Present Georgetown University Club of Naples, FL – President of Emeritus
7/10-5/13 Adjunct Faculty Department of Anesthesiology

Temple University School of Medicine
3500 N. Broad Street, Philadelphia, PA 19140

2012- 2014 Adjunct Associate Professor (Part-time), Department of Pharmacology

Renmin University of China

07/13- 7/15 Peer Expert Review Submission on the Talent
Talent Office, Human Resources Department, Renmin University of China
Room 1129, Mingde Main Building, Renmin University of China, No. 59, Zhongguancun Street,
Haidian District, Beijing, China 100872
Contact: Wang Fan wangfan@ruc.edu.cn
Contact Number: 8610-82501029, 86-13810266405

Forget-Me-Not Foundation - Memory impairments due to 'chemo-fog' or 'chemo-brain'
Philadelphia, PA

0/10 Faculty

BIOFLORIDA- Florida State Biotechnology Enterprise Association
Southwest Regional Chapter

3/09-3/10 Board

- ALWAYS HEALTHCARE-** Not-for-Profit Community focused on assisting the uninsured people of the United States
01/10-C Co-Founder, Board of Directors, SVP Commercial Strategies
- Drug Free Collier** Not-for-Profit Community focused on assisting reduction of drug impact on local system
01/2019-C Member of Board of Directors
- Association of Chronic Pain Patients-** Not-for-Profit Community focused on assisting the people suffering from chronic Pain.
09/10-12/13 Co-Founder and Chairman, Board of Directors Strategies
- Other Institutions:**
- 2/96 -5/00 Research Associate; The Department of Surgery
St. Agnes Hospital, Baltimore, M.D.
- 9/00-7/01 Surgical Care Review Committee
Gulf Coast Hospital (Columbia HCA), Fort Meyers, F.L.
- 9/00-7/01 OB Care Review Committee
Gulf Coast Hospital (Columbia HCA), Fort Meyers, F.L.
- 12/00-12/04 Director of Research
International Pain Research and Treatment Foundation
Lutz, FL
- 1/06-12/04 Board of Directors
National Institute of Pain, Lutz, FL
- 1/06-12/10 Clinical Privileges
Physician Day Surgery Center
850 111th Ave North
Naples, FL 34108
- 2015-Present Pain Research Forum
<http://www.painresearchforum.org/about/advisors#PRF> Webinar
Advisory Panel (WEB)
Pain Research Forum Harvard Neuro Discovery Center Goldenson
Building, Room 524 Harvard Medical School 220 Longwood Ave.
Boston, MA 02115
- 2015-Present National Pain Foundation
Clinical and Scientific Advisory Council and Consultant to the BOD
www.thenationalpainfoundation.org
Foundation Headquarters:
14828 W 6 Ave. Ste 16-B Room 1
Golden, CO 80401-5000

2018- Present Pain360

Editorial Activates:

Editorial Board:

2000 –2013 Editor in Chief – “*The Clinical Researcher*”,
REMEDICA Publishing Ltd., London, U.K.

2005-Present Section Editor Anesthesia and Pain Medicine *The Scientific World
Journal*. www.thescientificworld.com

2007- Present Honorary Editorial Board: *The International Journal of Nanomedicine*
www.nano.org.uk

2007- Present *Pain Medicine News*: Clinical Research / Pain Section Editor.
www.painmedicineneeds.com; McMillan Publishing, N.Y., N.Y.

2008-2017 *Clinical Oncology News*: Pain Medicine Section Editor.
www.clinicaloncologynews.com; McMillan Publishing, N.Y., N.Y.

2008-Present Guest Editor/ Reviewer - *Pain Medicine*

2008-Present Reviewer - *Pain Practice*

2008-Present Reviewer- *Journal of Pain Research*

2008-Present Invited Reviewer- *Journal of Palliative Care*

2009-Present Invited Reviewer- *Canadian Medical Association Journal*

2009-Present Reviewer- *The American Journal of Managed Care*

2010-Present Reviewer, *Journal of American Medical Association (JAMA)*

2013-Present Reviewer- *Clinical Drug Investigation*

2013-Present Reviewer – *BMC Neurology*

2013-Present Editor- *Advances in Neuroscience Research*

2013-Present Editor- *International Journal of Medical Sciences and Biotechnology*

2014- Present Reviewer - *Current Drug Safety*

2016-Present Reviewer – *Drugs*

2016-Present Editor - *Pain and Therapy*

2017- Present Reviewer- *Acta Medica Academica*

2017- Present	Editor- Journal of Anesthesiology and Pain Research
2017-Present	Editor- Journal of Circulation
2017- Present	Editor- Journal of Addiction Therapy and Research
2017 – Present	Editor - Journal of Clinical Respiratory Medicine
2017 – Present	Editor - EC Anaesthesia Journal

Study Section and Advisory Committee Appointments (select)

7/2002	Clinical Trial Data: Ownership, Access, and Publication Faculty- Moderator Committee: C. De Angelis, H. Sox, M. Ramsay, L. Wallentin, R. Mills, M. Tansey, J. Pergolizzi London, U.K.	Sponsor: Remedica Publishing Ltd.
09/2003	Publishing and Presenting Industry Sponsored Clinical Trials in Today's Political Environment: The Industry Scientist, the Academic Investigator, and the Journal Editor. Faculty: Edward Campion, MD; Robert Dworkin, MD; John T. Farrar, MD; Donald Manning, MD, PhD; Joseph Pergolizzi, MD ; R. Michael Poole, MD New York, N.Y.	Sponsor: Eastern Pain Association
09/2010	SAFE USE INITIATIVE - United States Food and Drug Administration (FDA)- Round table think tank member. Focus on safe use of analgesics in elderly person in the United States. Faculty Bethesda, MD	Sponsor: FDA
11/2010	SAFE USE INITIATIVE - United States Food and Drug Administration (FDA) - Public Meeting. Focus on safe use of NSAID analgesics elderly person in the United States. Faculty and Panelist Silver Springs, MD	Sponsor: FDA
06/2012	15 th World Congress of Pain Clinicians Treatment controversies in pharmacotherapy of chronic pains Session Faculty- Placebo and Nocebo Effects Grenada, Spain	Sponsor WSPC
06/2012	15 th World Congress of Pain Clinicians CHANGE PAIN Chairman – Collaboration between PCP's and Pain Specialist Grenada, Spain	Sponsor WSPC
10/2013	EFIC – Skin Matters: Update on Transdermal and Topical Analgesics Faculty Florence, IT	Sponsor: EFIC

- 05/2014 30th Anniversary International Conference- Update on Pain Management for
Head and Neck Cancer
Faculty: Key Note Speaker
Seoul, Korea Sponsor: Korean Society for Head and
Neck Oncology
- 04/2014 2014 Annual Medical Scientific Conference pre-conference course: The ASAM
Pain & Addiction Common Threads XV: The Agony and the Partial Agonist.
Faculty
Orlando, FL Sponsor: ASAM

Professional Societies

- | | |
|--|---------------------|
| The Johns Hopkins Medical and Surgical Association | Member 1996-Present |
| The Johns Hopkins Postdoctoral Association | Member 1997-Present |
| The American Society of Pain Educators | Member 2008-2013 |
| The Florida Society of Interventional Pain Physician | Member 2009-Present |

RECOGNITION

Honors, Honor Societies, and Awards:

Undergraduate:

- 1987 Honorable Mention - The Roger Bacon Scientific Honor Societies Annual
Research Forum, St. John's University.
- 1987 Founder - The Biological Research Honor Society, St. John's University.
- 1988 Dean's List, St. John's University.
- 1988 Bronze Medalist - The Roger Bacon Scientific Honor Societies Annual
Research Forum, St. John's University.
- 1988 President - The Biological Research Society, St. John's University.
- 1988 President - The Round Table Honor Society, St. John's University.
- 1989 Dean's List, St. John's University.
- 1989 Certificate of Appreciation - The New York State Students Association.
- 1989 Certificate of Appreciation - The Young Research Scientist of America Society.
- 1989 Gold Medal Finalist- The Roger Bacon Scientific Honor Societies Annual
Research Forum, *St. John's University*.
- 1989 The Joseph Cancanon Award for Outstanding Research, St. John's University.
- 1989 Leadership Award - New York State Roman Catholic Youth Minister Council

- 1989 Leadership Recognition Award, St. John's University.
 - 1989 Outstanding Research Award, St. John's University.
 - 1989 The St. John's University Student Government Leadership Award.
 - 1989 Who's Who Among Students in American Colleges and Universities.
 - 1989 Chairman - The Biological Research Society, St. John's University.
 - 1989 President - The Roger Bacon Scientific Honor Society, St. John's University.
 - 1989 Chairman - The Round Table Honor Society, St. John's University.
 - 1989 Inductee - Phi Alpha Theta.
 - 1989 Inductee - Theta Alpha Kappa.
 - 1989 Inductee - Kappa Gamma PI.
- Pre-Doctoral:
- 1994 Dean's List - Ross University School of Medicine.
 - 1995 Dean's List - Ross University School of Medicine.
 - 1996 Dean's List - Ross University School of Medicine.
 - 1996 High Honors - Ross University School of Medicine.
- Post-Doctoral:
- 1997 Second Place in the Clinical Vignette Poster Division at the American College of Physician's 15th Annual Maryland Associates Meeting.
 - 1999 –00 International Executive Who's Who
 - 1999-00 Chief Resident Anesthesia – Georgetown University Hospital
 - 2005-06 American Medical Association – Physician's Recognition Award with Commendation
 - 2006-08 American Medical Association – Physician's Recognition Award with Commendation
 - 2007-08 Charles Fazio Award- Outstanding Alumni Volunteer Georgetown University
 - 2010 Patients Choice Award – AR
 - 2010 Compassionate Doctor Recognition Award –AR

2011-12	Who's Who in Medicine and Healthcare
2011	Patients Choice Award – AR
2012	Patients Choice Award – AR
2012	Compassionate Doctor Recognition Award –AR
2012	The top 1% most viewed LinkedIn profiles for 2012
2015	On-Time Physician Award
2017	Leading Physicians of the World (IACHP)
2017	Best in Medicine American Health Council Board of Physicians (ACH)
2017	Best in Medicine (ACH)
2017	2018 Who's Who of Medicine and Healthcare- Marquis Who's Who
2017	Who's Who in the World- Marquis Who's Who
2018	Top Doctor Award – Anesthesiology and Pain Medicine
2018	Top Doctor Award – Critical Care Medicine

OTHER PROFESSIONAL ACCOMPLISHMENTS

Abstract / Poster Presentations (selected) :

Pergolizzi, J and Sharmar, D. "Prevalence of Adjustment Disorders among Medical Students at a Caribbean University Medical School". **Presented** 5/6/96 at the American Psychiatric Association's 149th Annual Meeting. **Presented** 10/18/96 at the 1996 Institute on Psychiatric Services (http://www.psych.org/edu/other_res/lib_archives/archives/meetings/1996nra.pdf.)

Metzger, N, Sardi, A, Bhimji, S., and **Pergolizzi, J**. "Laparoscopic Adrenalectomy: An Effective Procedural Treatment for Adrenal Carcinoma. A Case Review Study." This research was **presented** at Johns Hopkins University School of Medicine in February 1995.

Dobs A, Lesh, K, Hoover D, and Allen R. "Pharmacokinetics and efficacy of transbuccal testosterone in the treatment of hypogonadal men." **Presented** by **Pergolizzi, J**. 4/28/96 at the American Society of Andrology's 21st Annual Meeting in Minneapolis, MN.

Pergolizzi, J, Pergolizzi, J. Sr., Pai, S, and Roncallo, J. "Current Medical Jurisprudence Regarding Pre-Implantation Rights to Zygotes." **Presented** 11/96 at the 46th Annual Meeting of The American Society of Human Genetics and at the combined 4th Joint Clinical Genetics Meeting, 28th March of Dimes Clinical Genetics Conference, 4th Annual Meeting of The American College of Medical Genetics in Ft. Lauderdale, FL. 3/97.

Pergolizzi, J, Updike R, and Auster, M. "Botulinum Toxin Injections used to Treat Esophageal Achalasia." **Presented** at the American College of Physician's 15th Annual Maryland Associates Meeting 5/97.

Pergolizzi, J, Harley, D, Bedon, G, and Auster, M. “Catamenial Hemothorax: A Case Report and Review of Literature.” **Presented and awarded Second Place in the Clinical Vignette Poster Division** at the American College of Physician’s 15th Annual Maryland Associates Meeting 5/97. **Pergolizzi, J, Auster, M, and Obah, E.** “Giant Cell Arteritis in Association with the Syndrome of Inappropriate Antidiuretic Hormone Secretion: A Case Report and Review of Literature.” **Presented** at the American College of Physician’s 15th Annual Maryland Associates Meeting 5/97. **Oral presentation** at the Southern Medical Association’s 91st Annual Scientific Assembly in Charlotte, NC 10/97.

Pergolizzi, J, Auster, M, and Obah, E. “Cocaine-Induced Ischemic Colitis: A Case Report and Review of Literature.” **Presented** at the American College of Physician’s 15th Annual Maryland Associates Meeting 5/97. **Presented** at the Southern Medical Association’s 91st Annual Scientific Assembly in Charlotte, NC 10/97.

Pergolizzi, J. and Sardi, A. "Cryosurgery for Unresectable Primary Hepatocellular, Carcinoma: A Case Report and Review of Literature." **Presented** 2/97 at the Southeastern Surgical Congress Annual Scientific Meeting and at the Southern Medical Association’s 91st Annual Scientific Assembly in Charlotte, NC 10/97.

Pergolizzi, J, Mumtaz, A., and Auster, M. "Metastatic Colon Adenocarcinoma of the Middle Ear." **Presented** 10/96 at The American College of Surgeons 82nd Annual Clinical Congress and at the Southern Medical Association’s 91st Annual Scientific Assembly in Charlotte, NC 10/97. Southern Medical Journal: October 1997 - Volume 90 - Issue 10 - pg. S89

Pergolizzi, J., Sardi, A, and Bolton, J. "Central Venous Access Catheter Placement: Percutaneous versus Cut-Down. A Prospective Randomized Study." **Presented** 10/96 at The American College of Surgeons 82nd Annual Clinical Congress and at the Southern Medical Association’s 91st Annual Scientific Assembly in Charlotte, NC 10/97. Abstract published in: Southern Medical Journal: October 1997 - Volume 90 - Issue 10 - pg S123

Pai S, Rakov S, Jones J, Auster M, and **Pergolizzi, J.** “Etopic Sebacious Glands in the Esophagus Observed through a Video Endoscopy: A Case Report and Review of Literature.” **Presented** at the Southeastern Surgical Congress Annual Scientific Meeting 2/98

Pai, S., Lopez, R., Auster, M., and **Pergolizzi, J.** “Fetal Rhabdomyoma of the Soft Palate in an Adult Patient: An Unusual Presentation.” **Presented** at the Southeastern Surgical Congress Annual Scientific Meeting 2/98

Pergolizzi, J., Mariano, E., Auster, M., Pahira, J., Vinayakom, K. “Frequency Jet Ventilation through A Laryngeal Mask Airway during Extracorporeal Shock Wave Lithotripsy.” **Presented** at the ASA National Meeting 1999.

Dobs, A, **Pergolizzi, J,** Murphy, D, and Benz, E. “A Service-Oriented Clinical Trials Unit within an Academic School of Medicine. **Presented** at the Drug Information Association National Meeting 6/00, CA.

Macario, A., Panchal, S., Richmond, C., and **Pergolizzi, J.** Motorized spinal decompression for chronic discogenic low back pain: chart review of 75 outpatients **Presented** AAPM Orlando, FL

9/2006. **Presented** ASA 2006 Annual Meeting, Chicago, IL, October 14-18, 2006.

N. Singla, F. Chung, S. Singla, A. Grenier, D. Kutsogiannis, A. Kett, **J. Pergolizzi**, M. Russo.” Efficacy of oral casopitant mesylate (GW679769), a novel neurokinin-1 receptor antagonist, with intravenous ondansetron HCl in the prevention of postoperative nausea and vomiting (PONV) in high-risk patients.” **Presented** Euroanaesthesia, Madrid 2006

J. Leslie, **J. Pergolizzi**, J. Fort, W. Du, and L. Techner. “Use of Preoperative Prophylaxis for Common Surgical Complications After Bowel Resection (BR): Results From Alvimopan Trials for the Management of Postoperative Ileus (POI).” **Presented** NYSSA/PGA NYC Dec. 2007

Leslie, J., Richmond, C., Macario, A., Apfel, C., Auster, M and **Pergolizzi, J.** Effectiveness and Safety of Non-Surgical Spinal Decompression for Treatment of Lower Back Pain: **Presented** AAPM Las Vegas, NV 9/2007 and NYSSA –PGA New York, N.Y. 12/07. **Presented** at XXVII Annual ESRA Congress Genoa, Italy, 09/26/08; 10/08 ASICS Conference of Science and Medicine in Sport, Hamilton Island, Australia; 11/08 Controversies in Neurology (CONy), Athens, Greece; 11/08 69th Annual Assembly, American Academy of Physical Medicine and Rehabilitation, San Diego, CA; 02/09 25th Annual Clinical Meeting, American Academy of Pain Medicine, Honolulu, HI.

Pergolizzi, J., Apfel C, Florio, F, Martin W, Richmond C. Decreased Lower Back Pain after Non-Invasive Spinal Decompression May be Due to Restored Disc Height. **Presented** at PAINWeek 2008 Las Vegas, NV 9/08. **Presented** at XXVII Annual ESRA Congress Genoa, Italy, 09/26/08; 11/08 ASICS Conference of Science and Medicine in Sport, Hamilton Island, Australia

Apfel, C, Cakmakkaya, S, Martin, W; Florio, F, Richmond, C, **Pergolizzi, J.** Restoration of Disc Height Reduces Chronic Low Back Pain. **Presented** at the XXVII ANNUAL ESRA CONGRESS - Genoa, Italy and 10/08 ASICS Conference of Science and Medicine in Sport, Hamilton Island, Australia; 11/08 Controversies in Neurology (CONy), Athens, Greece; 11/08 69th Annual Assembly, American Academy of Physical Medicine and Rehabilitation, San Diego, CA

Groteke E, **Pergolizzi J**, Chicoine D. The Quantification and Tracking of Osteoarthritis. *J Med.* 2009; 2: (3): 137.

Pergolizzi J, Pappagallo M, Stauffer J, Brennan M, Gharibo C, de Jesus M, and Richmond C. The Integrated Drug Compliance for Patients on Opioid Therapy. **Presented** 09/09 at PAINWeek 2009 in Las Vegas, NV. *J Med.* 2009; 2: (3): 144.

Pergolizzi J, Pappagallo M, Gharibo C and Raffa R. Preliminary Observations of a Novel Topical Oil with Analgesic Properties for Treatment of Acute and Chronic Pain Syndromes. **Presented** 09/09 at PAINWeek 2009 in Las Vegas, NV. *J Med.* 2009; 2: (3): 145.

Pergolizzi J, Raffa R and Gould E. Considerations on the Use of Oxymorphone in Geriatric Patients: A Review. **Presented** 09/09 at PAINWeek 2009 in Las Vegas, NV. *J Med.* 2009; 2: (3): 145.

Pergolizzi J, Pappagallo M, Gharibo C and Raffa R. A Direct Comparison of Topical Pain Treatments for Acute Pain Syndromes. **Presented** 09/10 at PAINWeek 2010 in Las Vegas, NV. *J Med.* 2010.

Fleischer C, **Pergolizzi J**, Kraus N, Fusco R. Lymphatic Interstitial Decongestion (LID) for Fibrocystic Breast Condition. **Presented** 09/10 at PAINWeek 2010 in Las Vegas, NV. *J Med.* 2010.

Pergolizzi JV, Labhsetwar SA, Puenpatom RA, Joo S, Ben-Joseph R and Summers KH Economic Impact of Potential CYP450 Pharmacokinetic Drug-Drug Interactions among Chronic Low Back Pain Patients Taking Opioids. **Presented** 05/20/11 at American Pain Society in San Antonio, TX.

Taylor Jr R, **Pergolizzi Jr JV**, Nalamachu S, Raffa RB. A Review of Duloxetine Once-Daily Dosing for the Management of Chronic Pain presented with Major Depression Disorder. *Pain Week.* Las Vegas, Nevada, 2012.

Taylor Jr R, **Pergolizzi Jr JV**, Raffa RB. Essential Oxygen Oil for Treatment of Sport-Related Injuries. *Pain Week.* Las Vegas, Nevada; 2012.

Eric Galia, Yinka Williams, Ben Van Hove, **Joseph Pergolizzi**, Mila Etropolski. Tamper-resistant Properties of Tapentadol Extended Release Tablet. *Pain Week.* Las Vegas, Nevada, 2012

Joseph Pergolizzi, Karin Goehler, Ilona Steigerwald, Mila Etropolski, Myoung Kim, Gary Vorsanger. Effects of Tapentadol on Levels of Sexual Hormones Associated with Opioid-induced Androgen Deficiency *Pain Week.* Las Vegas, Nevada, 2012

Smith, Howard S., Robert B. Raffa, **Joseph V. Pergolizzi**, Robert Taylor, and Ronald J. Tallarida, "Combining Opioid and Adrenergic Mechanisms for Chronic Noncancer Pain." Poster, *American Association of Nurse Practitioners 28th National Conference*, Las Vegas, NV, June, 2013.

Joseph V. Pergolizzi, Jr., MD; Robert Taylor, Jr., PhD; Robert B. Raffa: Insights into Abuse Deterrence: Can We Avoid Both Diversion and Discrimination? *Pain Week.* Las Vegas, Nevada, 2013

Joseph V. Pergolizzi, Jr., MD; Robert Taylor, Jr., PhD; Robert B. Raffa, PhD Preemptive Anticipation of Diverted Opioid Abuse: The Case for an Abuse-Deterrent Formulation (ADF) of Extended-Release Morphine. . *Pain Week.* Las Vegas, Nevada, 2013

Joseph V. Pergolizzi, Jr., MD; Robert Taylor, Jr., PhD; Robert B. Raffa, PhD Evaluating the Need for an Abuse-Deterrent Immediate-Release Formulation of Oxycodone. *Pain Week.* Las Vegas, Nevada, 2013

Joseph V. Pergolizzi Jr., MD; Robert Taylor Jr., PhD; Srinivas Nalamachu, MD; Robert B. Raffa, PhD; Douglas R. Carlson, B.A.; Ravi K. Varanasi, M.Pharm², Alison B. Fleming, Ph.D.; Ernest A. Kopecky, PhD, MBA. Challenges of Treating Patients with Chronic Pain with Dysphagia (CPD): Physician and Patient Perspectives. *Pain Week.* Las Vegas, Nevada, 2013

Srinivas R. Nalamachu, MD; **Joseph Pergolizzi, MD**; Robert Taylor, PhD; Neal E. Slatkin, MD; Andrew C. Barrett, PhD; Jing Yu, PhD; Enoch Bortey, PhD; Craig Paterson, MD; William P. Forbes, PharmD. Efficacy and Tolerability of Methylnaltrexone in Advanced Illness Patients With Opioid-Induced Constipation: a Responder Analysis. *Pain Week.* Las Vegas, Nevada, 2013

Joseph V. Pergolizzi, Jr., MD; Robert Taylor, Jr., PhD; Robert B. Raffa. A Multimodal Approach to Postoperative Pain: A New Look at an Old Approach *Pain Week*. Las Vegas, Nevada, 2013

Joseph V. Pergolizzi, Jr., MD; Robert Taylor, Jr., PhD; Robert B. Raffa. Should Buprenorphine be called a partial agonist? *Pain Week*. Las Vegas, Nevada, 2013

Nalamachu, Srinivas, **Joseph Pergolizzi**, Robert Taylor, Neal E. Slatkin, Andrew C. Barrett, Jing Yu, Enoch Bortey, Craig Paterson, and William P. Forbes, "Efficacy and Tolerability of Subcutaneous Methylnaltrexone in Advanced Illness Patients with Opioid-Induced Constipation: A Responder Analysis." Poster, *American Pain Society 32nd Annual Scientific Meeting*, New Orleans, LA, May, 2013.

Robert B. Raffa, PhD; **Joseph V. Pergolizzi Jr., MD;** Robert Taylor Jr., PhD; Eric R. Kinzler, PhD. Trends and Characteristics of Individuals Who Abuse ER Morphine: Data from the RADARS System. *American Pain Society 33rd Annual Scientific Meeting*; April 30 – May 3, 2014; Tampa Convention Center; Tampa, FL.

Robert Taylor Jr., PhD; **Joseph V. Pergolizzi Jr., MD;** Robert B. Raffa, PhD; Eric R. Kinzler, PhD. Abuse Rates of Oxycodone in the US: Data from the RADARS System. *American Pain Society 33rd Annual Scientific Meeting*; April 30 – May 3, 2014; Tampa Convention Center; Tampa, FL

Joseph V. Pergolizzi Jr., MD; Robert Taylor Jr., PhD. Practitioners Knowledge, Attitudes, and Practices Regarding Opioid Abuse Deterrent Formulations. *American Pain Society 33rd Annual Scientific Meeting*; April 30 – May 3, 2014; Tampa Convention Center; Tampa, FL

Raffa, Robert B., **Joseph V. Pergolizzi, Jr.**, Robert Taylor, Jr., and Eric R. Kinzler, "Morphine and Oxycodone in the Us: Radars Data Assessment." Poster, *25th Annual Clinical Meeting of the American Academy of Pain Management*, Phoenix, AZ, 19 September, 2014.

Gary Eichenbaum, Mila Etropolski, Karen Gohler³, Ilona Steigerwald, **Joseph Pergolizzi**, Myoung Kim, Gary Vorsanger. Does tapentadol affect sex hormone concentrations differently than morphine and oxycodone? An initial assessment and possible implications for OPIAD. *Pain Week*. Las Vegas, Nevada, 2014

Gianpietro Zampogna, **Joseph V. Pergolizzi, Jr.**, Jo Ann LeQuang. *Pain Week*. The Evolving Demographics of Opioid Addiction. Michael Higgins, Las Vegas, Nevada, 2014

Joseph V. Pergolizzi, Jr., Gianpietro Zampogna, Robert Taylor, Jr., Robert B. Raffa. Perspectives on Intravenous Oxycodone for Control of Postoperative Pain *PAINWeek*. Las Vegas, Nevada, 2014

Joseph V. Pergolizzi, Jr., Jo Ann LeQuang, Gianpietro Zampogna, Robert Taylor, Jr., Robert B. Raffa, Hani Michael Annabi. Can Public Policy Reduce Prescription Opioid Abuse Rates? Interim Results from Florida. *Pain Week*. Las Vegas, Nevada, 2014

Joseph V. Pergolizzi Jr., Robert Taylor Jr, Robert B. Raffa, Eric R. Kinzler. Healthcare Providers' Knowledge, Attitudes, and Practices of Abuse-deterrent Formulations of Opioids. *Pain Week*. Las Vegas, Nevada, 2014

Zampogna, Gianpietro, Robert Taylor, Jr., Frank DiLorenzo, Lynn Nopper, Jasmine Salama, and **Joseph V. Pergolizzi, Jr.**, "Topical Analgesics: Knowledge, Attitudes, and Practices of Healthcare Providers." Poster, *PAINWeek*, Las Vegas, NV, 08 September 2015.

Pergolizzi, Joseph V., Jr., Ugochinyelum J. Eke-Okoro, Frank Breve, Robert Taylor, Jr., and Robert B. Raffa, "Turmeric: Its Potential Role in Analgesia." Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 08 September, 2016.

Pergolizzi, Joseph V., Jr., Robert B. Raffa, Charles Fleischer, Robert Taylor, Jr., and Gianpietro Zampogna, "Management of Moderate to Severe Chronic Low Back Pain with Buprenorphine Buccal Film Using a Novel Bema Technology." Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 08 September, 2016.

Pergolizzi, Joseph V., Jr., Robert B. Raffa, Charles Fleischer, Robert Taylor, Jr., and Gianpietro Zampogna, "Peripherally Acting Mu-Opioid Receptor Antagonists (Pamoras) for Constipation Associated with Chronic Opioid Therapy." Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 08 September, 2016.

Pergolizzi, Joseph V., Jr., Robert B. Raffa, Charles Fleischer, Gianpietro Zampogna, and Robert Taylor, Jr., "Chronic Postsurgical Pain: An Update." Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 08 September, 2016.

Pergolizzi, Joseph V., Jr., Robert B. Raffa, Gianpietro Zampogna, Frank Breve, Robert D. Colucci, William K. Schmidt, and Jo Ann LeQuang, "Hydrocodone Rescheduling Revisited." Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 08 September, 2016.

Pergolizzi, Joseph V., Jr., Robert B. Raffa, Gianpietro Zampogna, Frank Breve, Robert D. Colucci, William K. Schmidt, and Jo Ann LeQuang, "Will the New Opioid Guidelines from the CCD Have Unintended Consequences?" Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 08 September, 2016.

Raffa, Robert B., David Fiumara, Benjamin Keeper, Jonathan Gorky, Prasad S. Dhurjati, and **Joseph V. Pergolizzi, Jr.**, "Modeling Pain as a Control System." Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 08 September 2016.

Painweek 2020 Published Abstracts from Poster Session: Dr. Joseph V. Pergolizzi Jr., MD.

Link: <https://www.tandfonline.com/doi/full/10.1080/00325481.2020.1824967>

References are Poster #s (in order): 22, 30, 31, 32, 33, 34, 35, 36, 46, 65, 69, 75.

Ilona Steigerwald, **Pergolizzi, Joseph V. Jr.**, and Charles Argoff. "Efficacy and safety of NTM-006 in a randomized, double-blind, placebo- and active-controlled trial in moderate to severe pain after third molar extraction. Meaningful and sustained analgesia over 24 h demonstrated for a single dose (1000 mg) of NTM-006, an NCE with a novel non-opioid/non-NSAID mechanism of action." Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 12 September 2020

Pergolizzi, Joseph V. Jr., Robert B. Raffa, Peter Magnusson, Jo Ann LeQuang, Charles Wollmuth, Robert Taylor Jr., Rohit Nalamasu, Robert Colucci, Kailyn Mitchell, Maninder

Chopra, Giustino Varrassi and Frank Breve. “Nonpharmaceutical fentanyl analogs in the illicit drug trade: where are we heading?” Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 12 September 2020

Pergolizzi, Joseph V. Jr., Peter Magnusson, Jo Ann LeQuang, Charles Wollmuth, Robert Taylor Jr., Rohit Nalamasu, Kailyn Mitchell, Frank Breve and Giustino Varrassi. “What is the role of buprenorphine in the era of abuse deterrent formulations?” Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 12 September 2020

Pergolizzi, Joseph V. Jr., Peter Magnusson, Jo Ann LeQuang, Charles Wollmuth, Robert Taylor Jr., Rohit Nalamasu, Kailyn Mitchell, Frank Breve and Giustino Varrassi. “Exploring the connections between sleep and cluster headache.” Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 12 September 2020

Rohit Nalamasu, Charles Wollmuth, **Pergolizzi, Joseph V. Jr.**, Jo Ann LeQuang, Dean J. Mariano, Robert Taylor Jr., Frank Breve, Kailyn Mitchell, Giustino Varrassi and Peter Magnusson, “Medication-assisted therapy for opioid use disorder: a review of established treatments and new directions.” Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 12 September 2020

Pergolizzi, Joseph V. Jr., Giustino Varrassi, Peter Magnusson, Jo Ann LeQuang, Robert Taylor Taylor Jr., Charles Wollmuth, Frank Breve, Kailyn Mitchell, Maninder Chopra and Paul J. Christo. “COVID-19 and NSAIDs: knowns and unknowns.” Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 12 September 2020

Pergolizzi, Joseph V. Jr., Jo Ann LeQuang, Giustino Varrassi, Paul J. Christo, Robert Taylor Jr., Frank Breve, Maninder Chopra, Charles Wollmuth, Megan Nalamachu, Kailyn Mitchell and Peter Magnusson. “Four pandemics: lessons learned, lessons lost.” Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 12 September 2020

Giustino Varrassi, **Pergolizzi, Joseph V. Jr.**, Rohit Nalamasu, Jo Ann LeQuang, Robert Colucci, Frank Breve, Peter Magnusson, Dean Mariano and Paul J. Christo. “Ibuprofen safety: a look back on 50 years.” Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 12 September 2020

Lucas Stolle, **Pergolizzi, Joseph V. Jr.**, and Irving W. Wainer. “Ketamine metabolites in the treatment of neuropathic pain.” Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 12 September 2020

Randall Kaye, Henry Riordan, Srinivas Nalamachu, **Pergolizzi, Joseph V. Jr.**, and Sanam Ara Vaughn. “Tolperisone 100 and 200 mg three times daily (TID) for acute muscle spasm of the back: a double-blind, randomized, placebo-controlled, multicenter phase 3 study.” Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 12 September 2020

Robert B. Raffa, **Pergolizzi, Joseph V. Jr.**, John Carson, Ellen Codd and James McNally. “Summary of the preclinical pharmacology of NTM-006 (formerly JNJ-10450232): a novel orally-active non-opioid analgesic.” Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 12 September 2020

Srinivas Nalamachu, **Pergolizzi, Joseph V. Jr.**, and Randall Kaye. "Tolperisone for acute muscle spasm: dose-ranging STAR study." Poster, *PAINWeek*, The Cosmopolitan of Las Vegas, Las Vegas, NV, 12 September 2020

Oral Presentations (selected):

Pergolizzi, J and Gipson, T. "Prostate Cancer: A Comprehensive Review." This research was **presented** at the Harbor Hospital Internal Medicine Grand Rounds 10/94.

"Transdermal Testosterone Replacement Therapy in Hypogonadal Males with HIV and Wasting". **Presented** by Joseph V. **Pergolizzi, Jr.**, M.D. at The Johns Hopkins University School of Medicine, Division of Endocrinology and Metabolism Case Conference Luncheon 5/96.

Pergolizzi, J, Auster, M, and Obah, E. "Giant Cell Arteritis in Association with the Syndrome of Inappropriate Antidiuretic Hormone Secretion: A Case Report and Review of Literature." **Oral presentation** at the Southern Medical Association's 91st Annual Scientific Assembly in Charlotte, NC 10/97. *Southern Medical Journal*: October 1997 - Volume 90 - Issue 10 - pg S58

Pergolizzi, J. "Best Practices". Georgetown University Board of Governors' Winter Leadership Weekend: Georgetown University Law School, Washington, D.C. February 9- 11, 2007.

Pergolizzi, J, Apfel C, Florio, F, Martin W, Richmond C. Decreased Lower Back Pain after Non-Invasive Spinal Decompression May be Due to Restored Disc Height. **Oral presentation** at PAINWeek 2008 Las Vegas, NV 9/08.

Pergolizzi, J; Pappagallo, M; Stauffer, J; Brennan, M; Gharibo, C; de Jesus, M; Richmond, C The Integrated Drug Compliance for Patients on Opioid Therapy. **Poster presentation** at PAINWeek 2008 Las Vegas, NV 9/09.

Pergolizzi J; Pappagallo, M; Gharibo, C; Raffa, R. Preliminary Observations of a Novel Topical Oil with Analgesic Properties for Treatment of Acute and Chronic Pain Syndromes. **Poster presentation** at PAINWeek 2008 Las Vegas, NV 9/09.

Pergolizzi, J; Raffa, R.; Gould, E. Considerations on the Use of Oxymorphone in Geriatric Patients: A Review. **Poster presentation** at PAINWeek 2008 Las Vegas, NV 9/09.

Fleischer C, **Pergolizzi J**, Kraus N, Fusco R. Lymphatic Interstitial Decongestion (LID) for Fibrocystic Breast Condition. **Presented** 09/10 at PAINWeek 2010 in Las Vegas, NV. *J Med.* 2010.

Pergolizzi JV, Labhsetwar SA, Puenpatom RA, Ben-Joseph R, Ohsfeldt RL, Summer K. Economic Impact of Potential Drug-Drug Interactions Among Osteoarthritis Patients Taking Opioids. **Presented:** American Pain Society (APS). Austin, TX 5/2011

Pergolizzi JV, Wieman MS, Gould EM. Effect of Age and Sex on the Pharmacokinetics and Metabolism of Oxymorphone Extended-Release Tablets. **Presented:** PAINWeek 2011 - Presented September 2011; American Society of Consultant Pharmacists (ASCP)- To be presented in November 2011; American Academy of Pain Medicine (AAPMed) - February 2012

Joseph V. Pergolizzi, Jr., MD; Robert Taylor, Jr., PhD; Robert B. Raffa, PhD Preemptive Anticipation of Diverted Opioid Abuse: The Case for an Abuse-Deterrent Formulation (ADF) of Extended-Release Morphine. Oral Poster Presentation. *Pain Week*. Las Vegas, Nevada, 2013

References

<https://jhu.pure.elsevier.com/en/persons/joseph-vincent-pergolizzi>

www.painfreenaples.com